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前 言

人体寄生虫学是医学院校重要的基础课程之一，它属于病原生物学范畴。寄生虫的形态部分是本课程的重点内容。由于寄生虫的虫种较多，形态结构复杂，既包括大体形态结构，又包括显微形态结构，加之目前缺乏一部完整的寄生虫学图谱，所以初学者学习此门课程时感到比较困难。为了满足当前教学和有关专业人员工作的需要，我们组织部分长期从事寄生虫学教学与科研的专家、教授编写了这本《人体寄生虫学彩色图谱》。

本书系参照高等医学院校《人体寄生虫学》教学大纲编写而成的。全书共收集寄生虫的形态结构彩图210幅，主要刊载的是国内常见的寄生虫虫种。本书的编写、出版，将有助于医学院校的学生更好地掌握寄生虫的形态结构，为他们深入理解寄生虫的生活史、致病原因，以及进一步学习临床医学课程打好基础。同时，本图谱对从事临床检验、疾病预防与控制工作的人员也有一定的借鉴和参考作用。

本书的编写得到了我国寄生虫学界著名专家、四川大学华西医学中心胡孝素教授和罗仲金教授的肯定和支持。胡孝素教授、罗仲金教授在百忙中对本书进行了审阅，并对本书的编写提出了宝贵的意见，在此深表感谢。

由于编者的业务水平和实践经验有限，加之时间仓促，本书难免有缺点和错误，在此恳请医学界同仁和广大读者给予批评指正。

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原虫 Protozoa

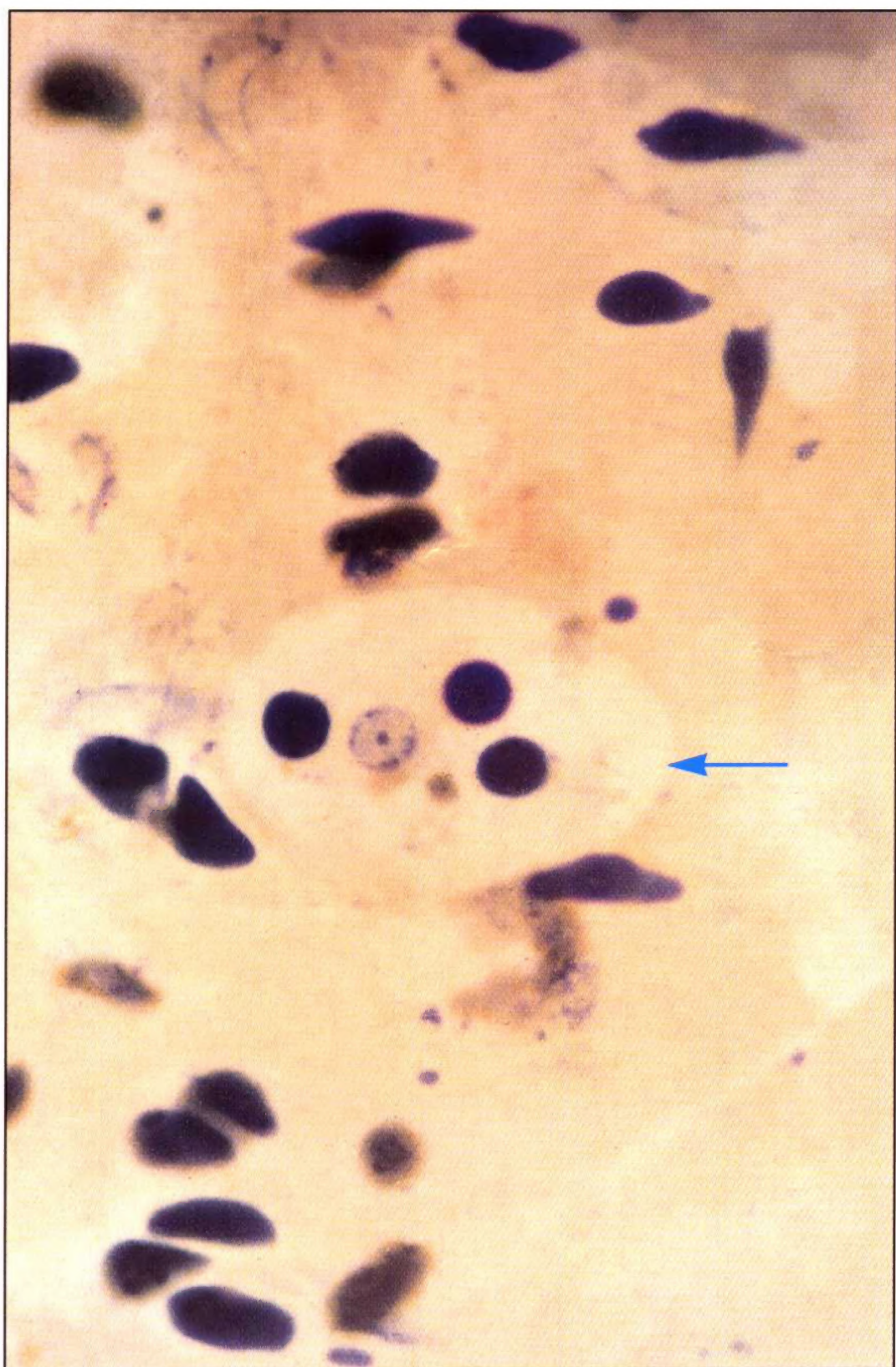


图1

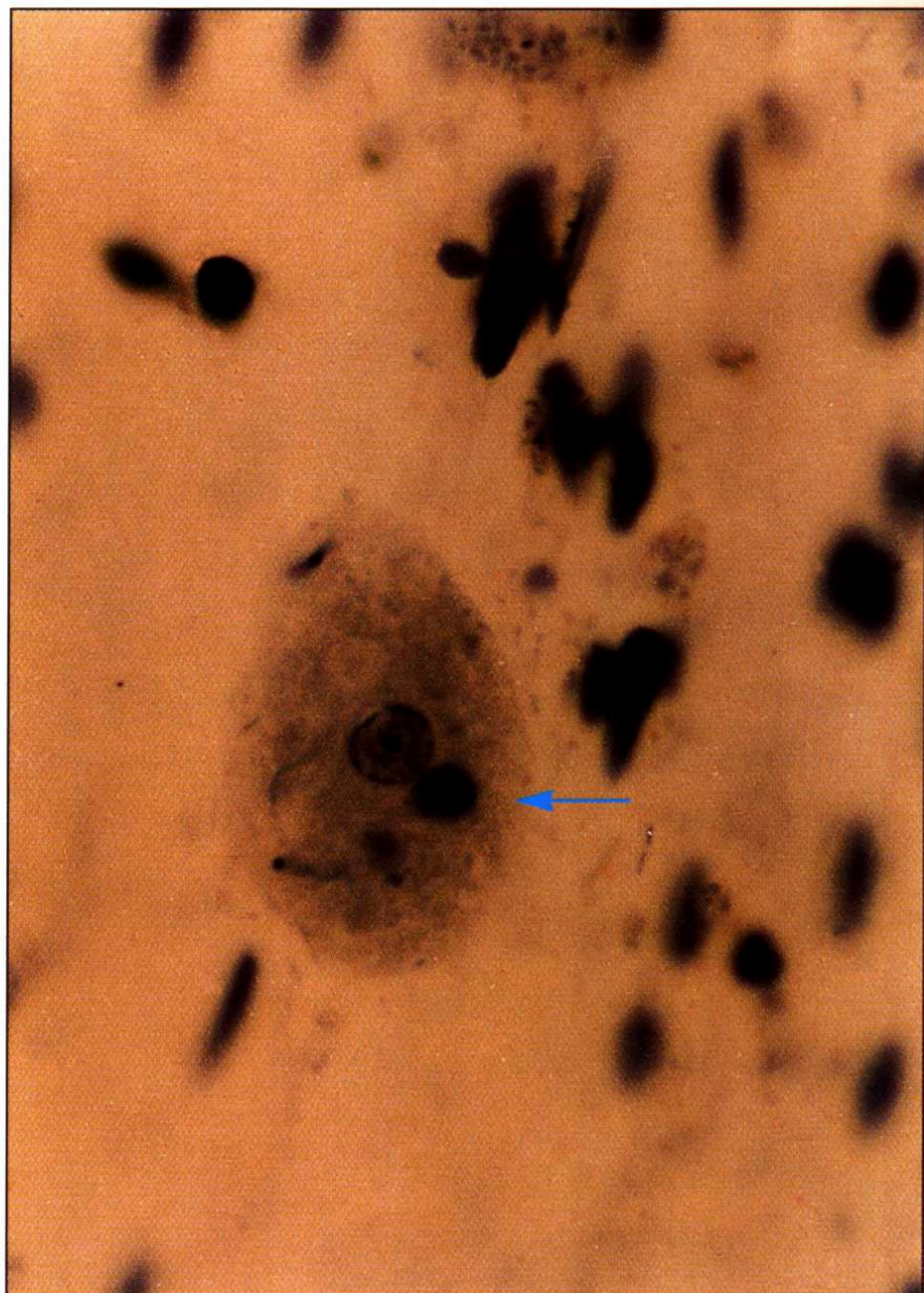


图2

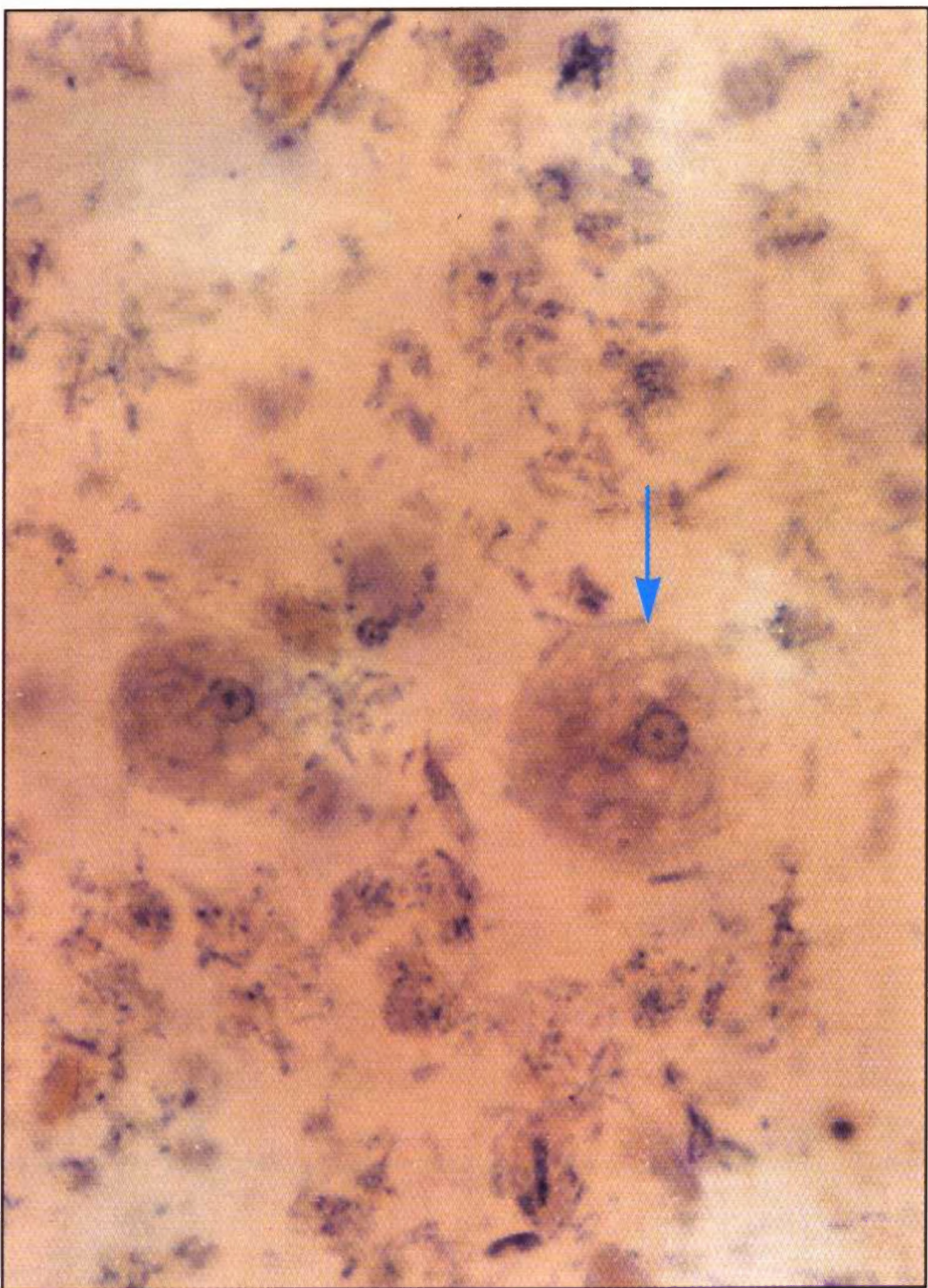


图3

- 图1 溶组织内阿米巴滋养体
Entamoeba histolytica trophozoite (1)
← 吞噬有多个红细胞 Contains several red blood cells
(铁苏木素染色 Iron hematoxylin stain 10 × 100)
- 图2 溶组织内阿米巴滋养体
Entamoeba histolytica trophozoite (2)
← 吞噬有红细胞 Contains red blood cells
(铁苏木素染色 Iron hematoxylin stain 10 × 100)
- 图3 溶组织内阿米巴滋养体
Entamoeba histolytica trophozoites (3)
← 核仁小，中央位。核周染色质粒分布均匀 A small karyosome, centrally located. Peripheral chromatin granules is distributed evenly.
(铁苏木素染色 Iron hematoxylin stain 10 × 100)



图4

图4 溶组织内阿米巴包囊
Entamoeba histolytica cyst (1)
(生理盐水涂片 Direct saline smear 10×40)



图5

图5 溶组织内阿米巴包囊
Entamoeba histolytica cyst (2)
← 单核包囊 Uninucleate cyst
(碘染 Iodine stain 10×40)

图6 溶组织内阿米巴包囊
Entamoeba histolytica cyst (3)
← 双核包囊 Binucleate cyst
(铁苏木素染色 Iron hematoxylin stain 10×100)

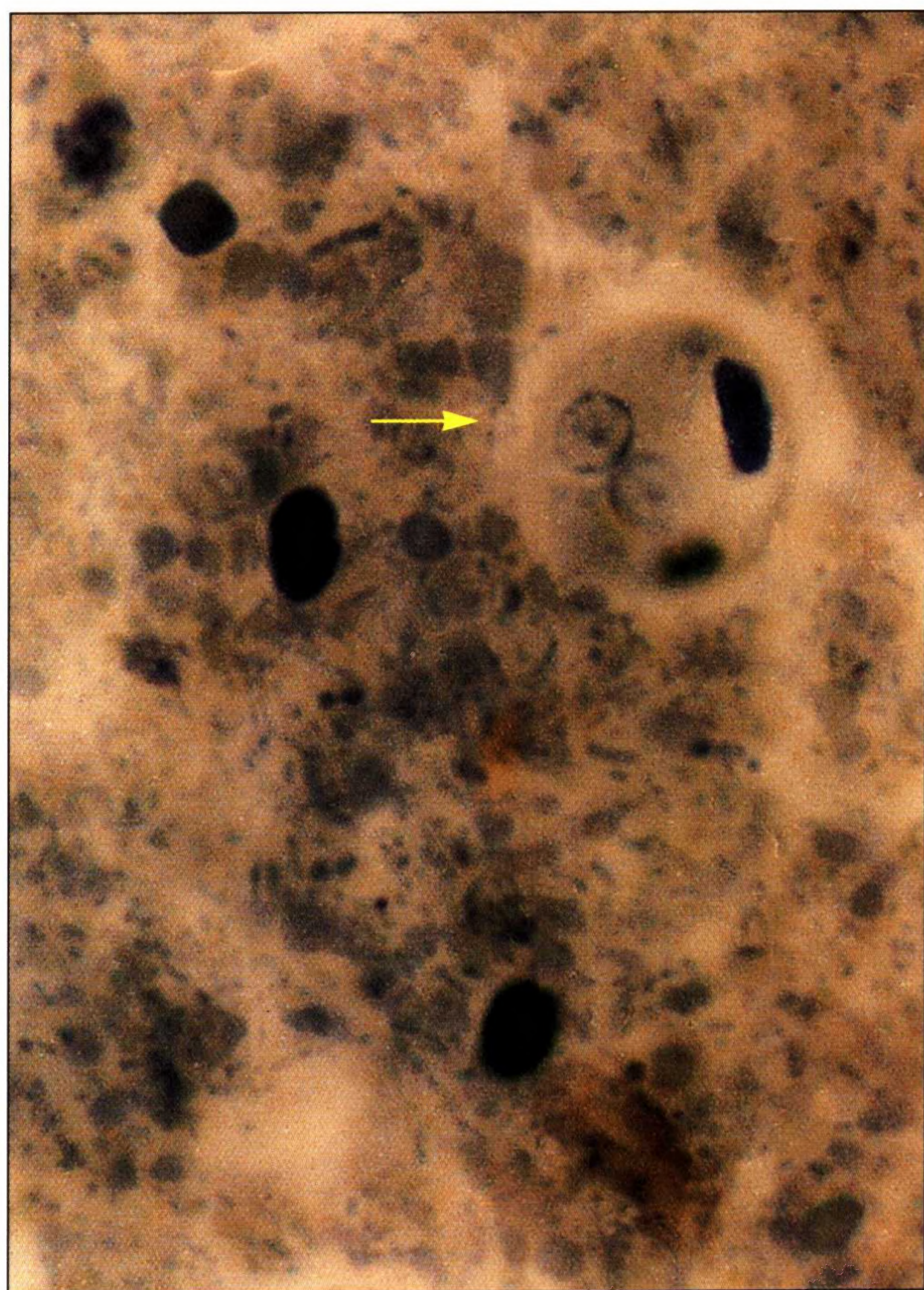


图6

图7 结肠内阿米巴滋养体
Entamoeba coli trophozoite
← 不均匀分布的核周染色质粒 Irregularly distributed peripheral chromatin granules
(铁苏木素染色 Iron hematoxylin stain 10×100)

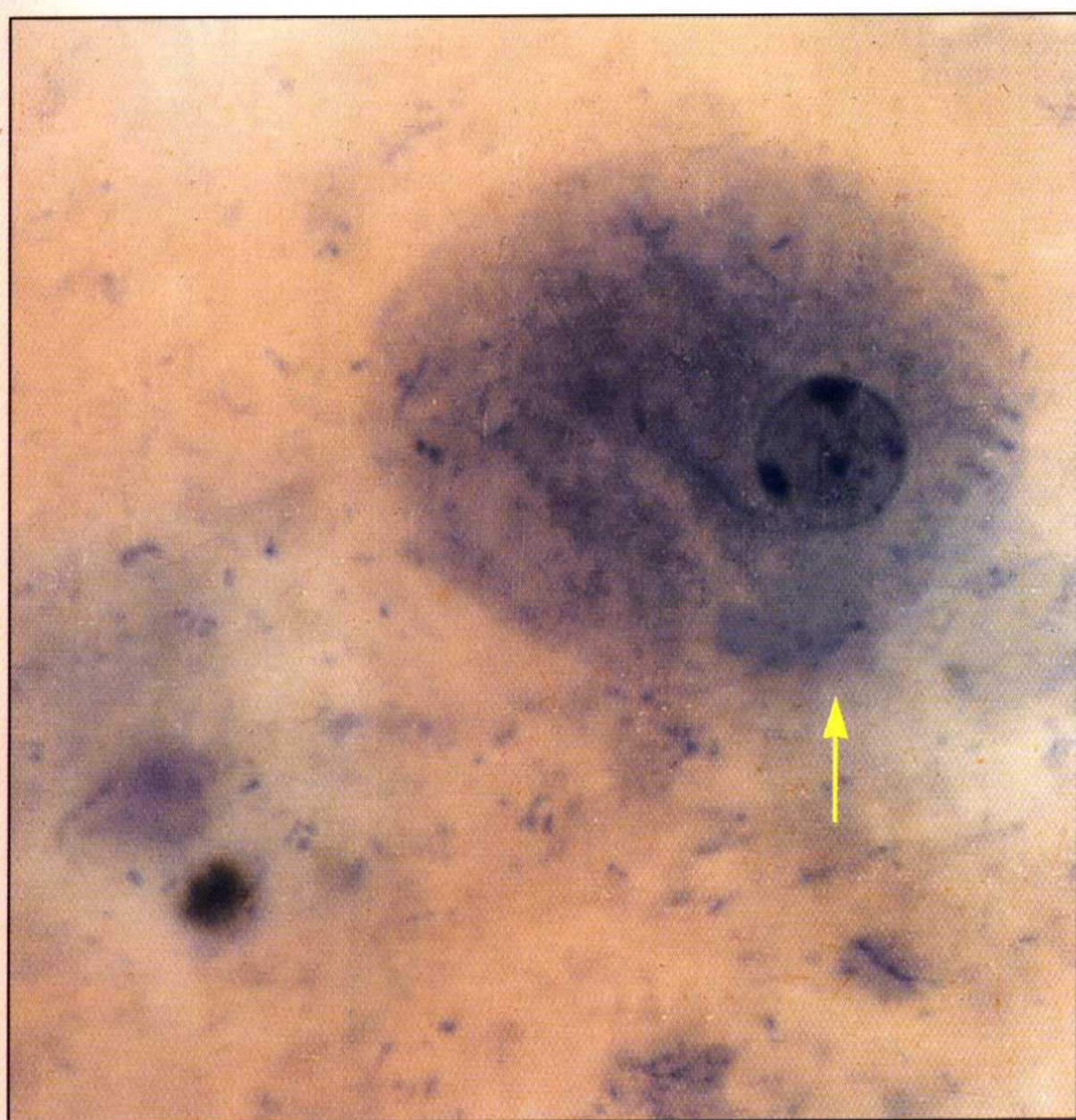


图7

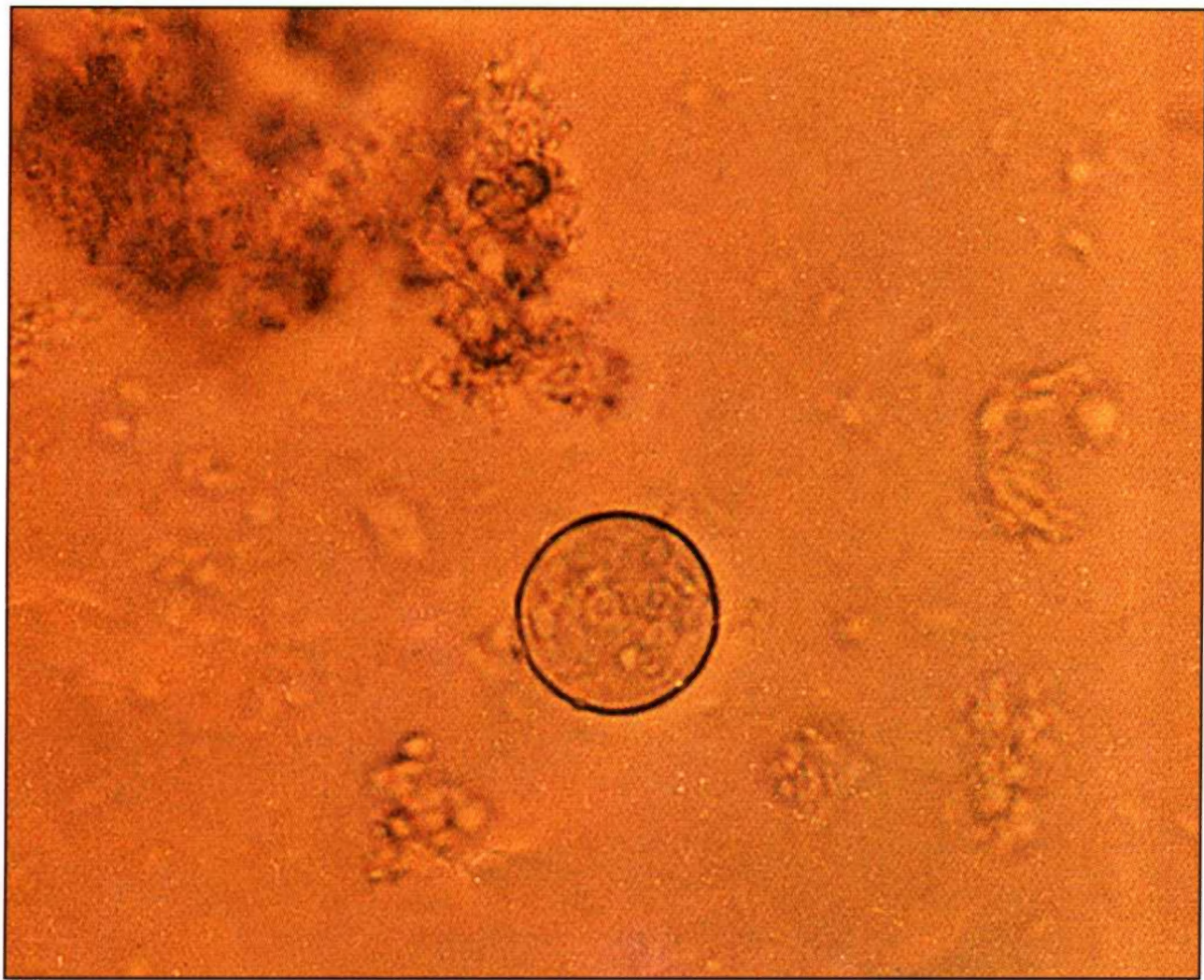


图8

图8 结肠内阿米巴包囊
Entamoeba coli cyst (1)
(生理盐水涂片 Direct saline smear 10 × 40)

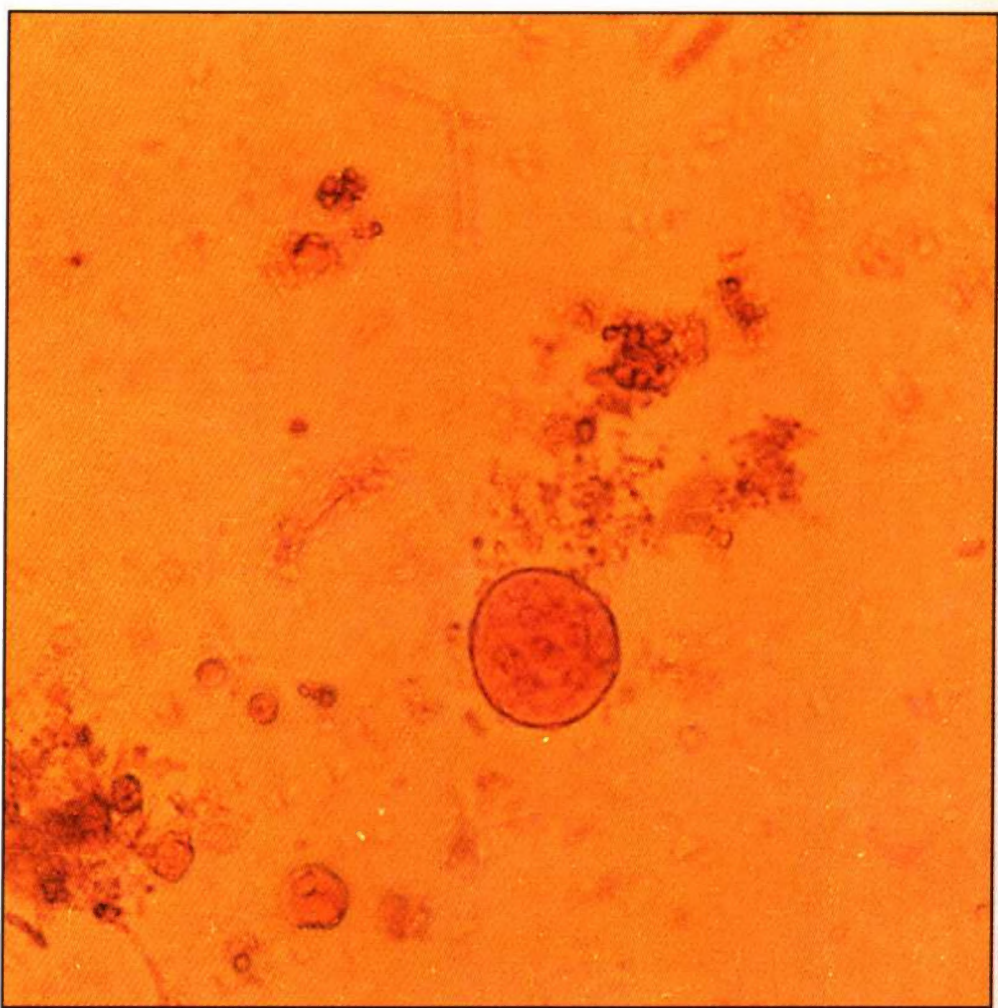


图9

图9 结肠内阿米巴包囊
Entamoeba coli cyst (2)
(碘染 Iodine stain 10 × 40)

图10 结肠内阿米巴包囊
Entamoeba coli cyst (3)
(铁苏木素染色 Iron hematoxylin stain 10 × 100)

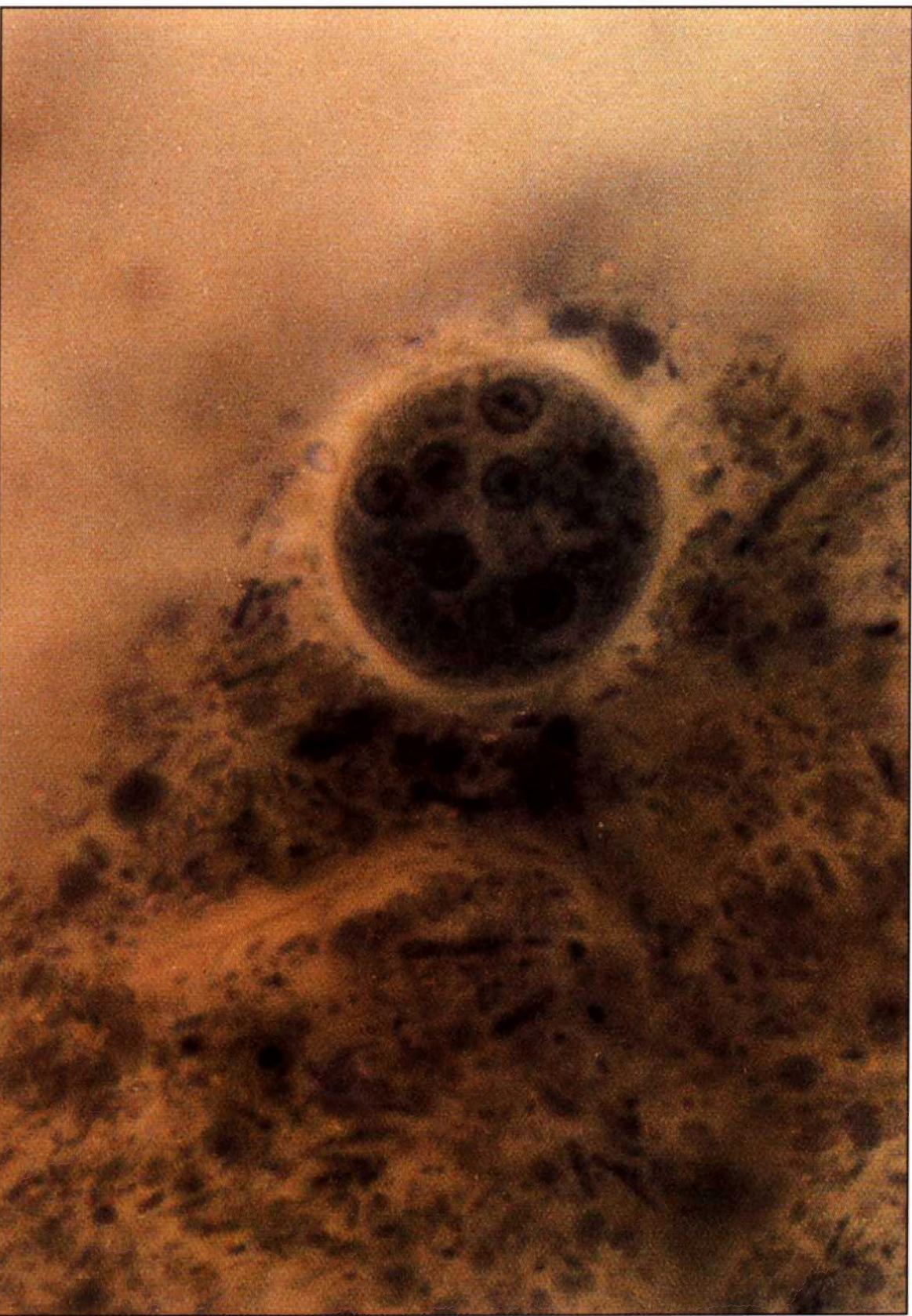


图10

图11 布氏嗜碘阿米巴包囊
Iodamoeba butschlii cyst (1)
← 含有糖原泡 Containing glycogen vacuole
(铁苏木素染色 Iron hematoxylin stain 10 × 100)

图11

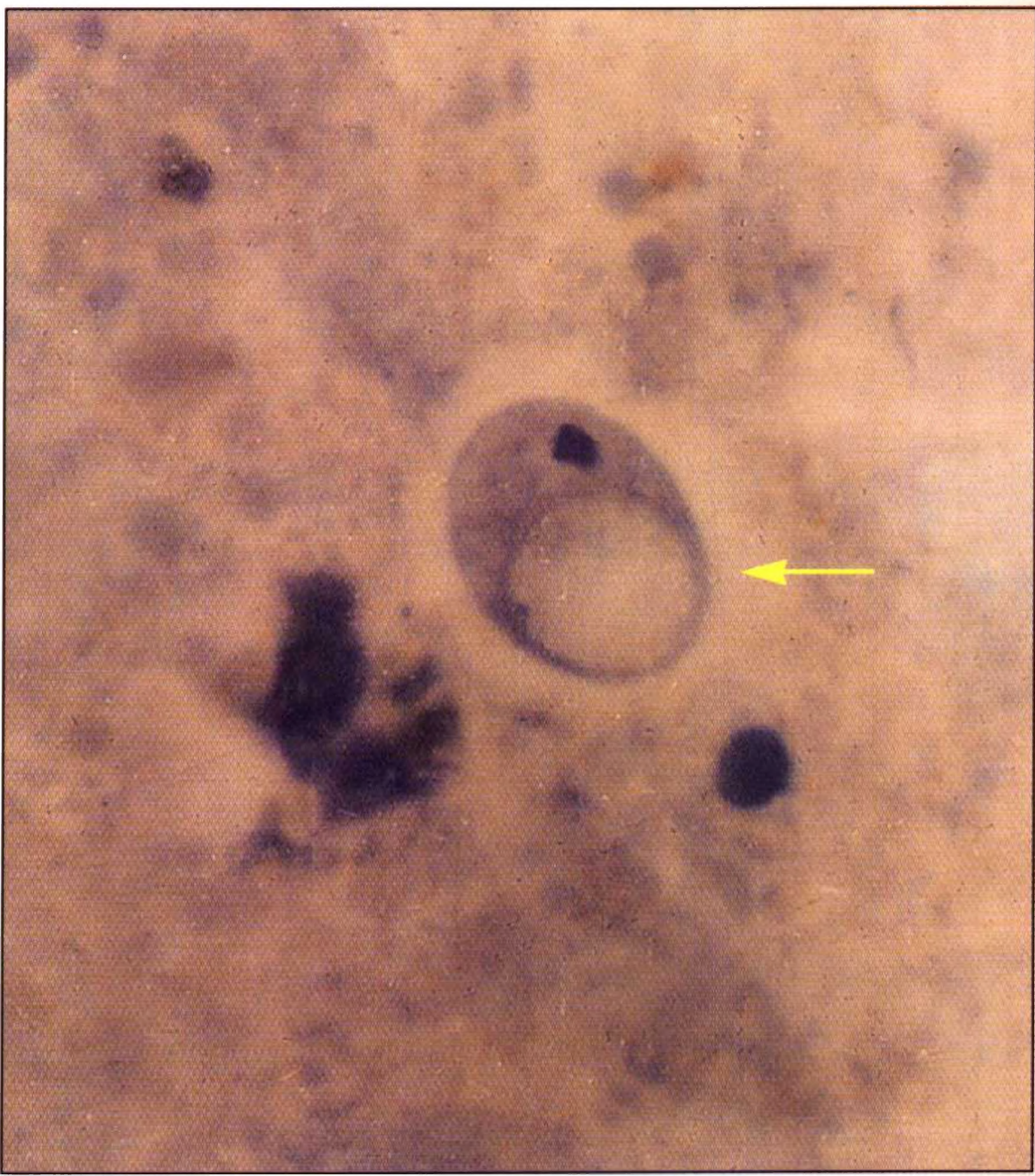




图12

图12 布氏嗜碘阿米巴包囊
Iodamoeba butschlii cyst (2)
(碘染 Iodine stain 10×40)

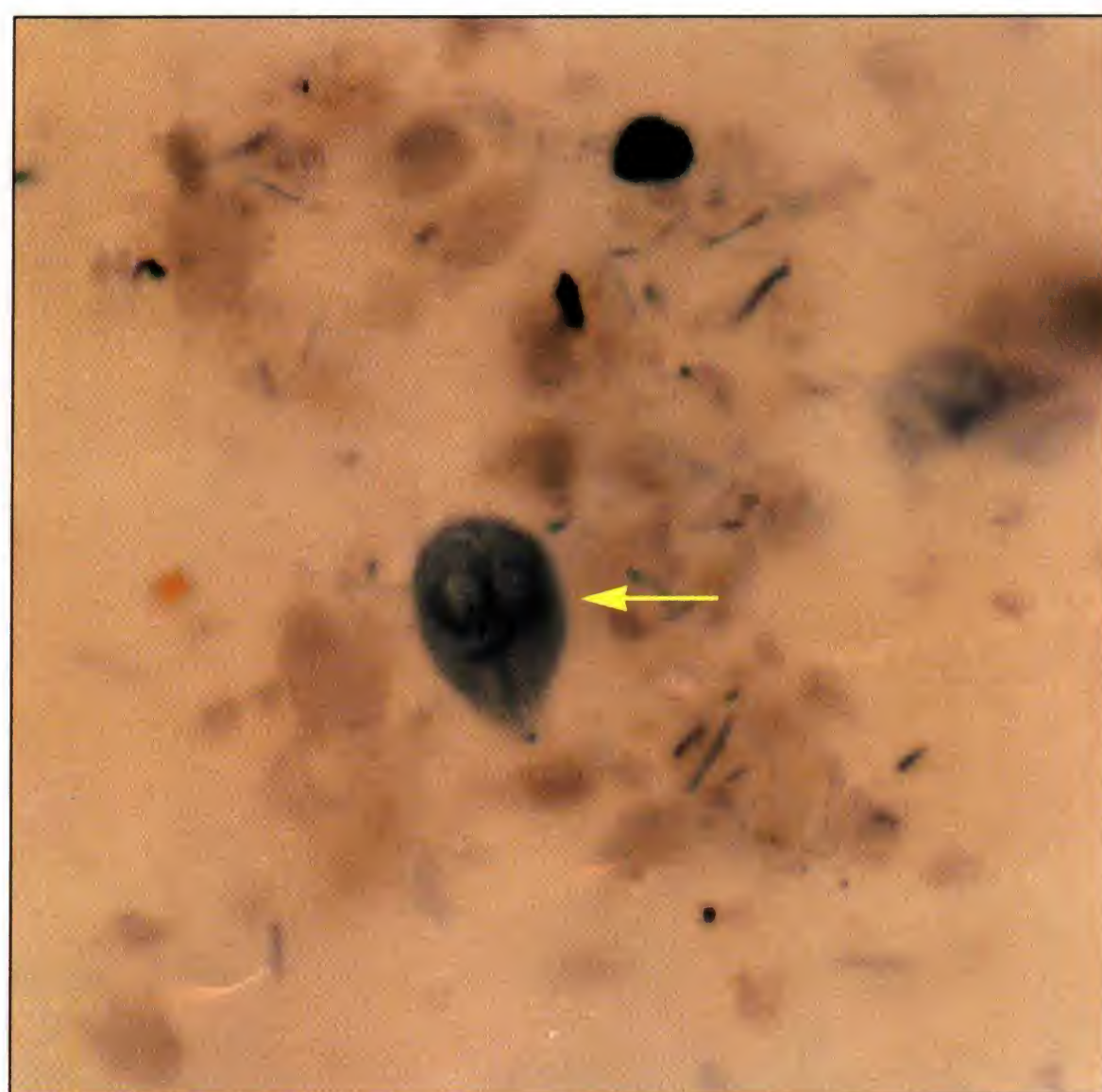


图13

图13 蓝氏贾第鞭毛虫滋养体
Giardia lamblia trophozoite (1)
← 梨形，两核 Pyriform shape, two nuclei
(铁苏木素染色 Iron hematoxylin stain 10×100)

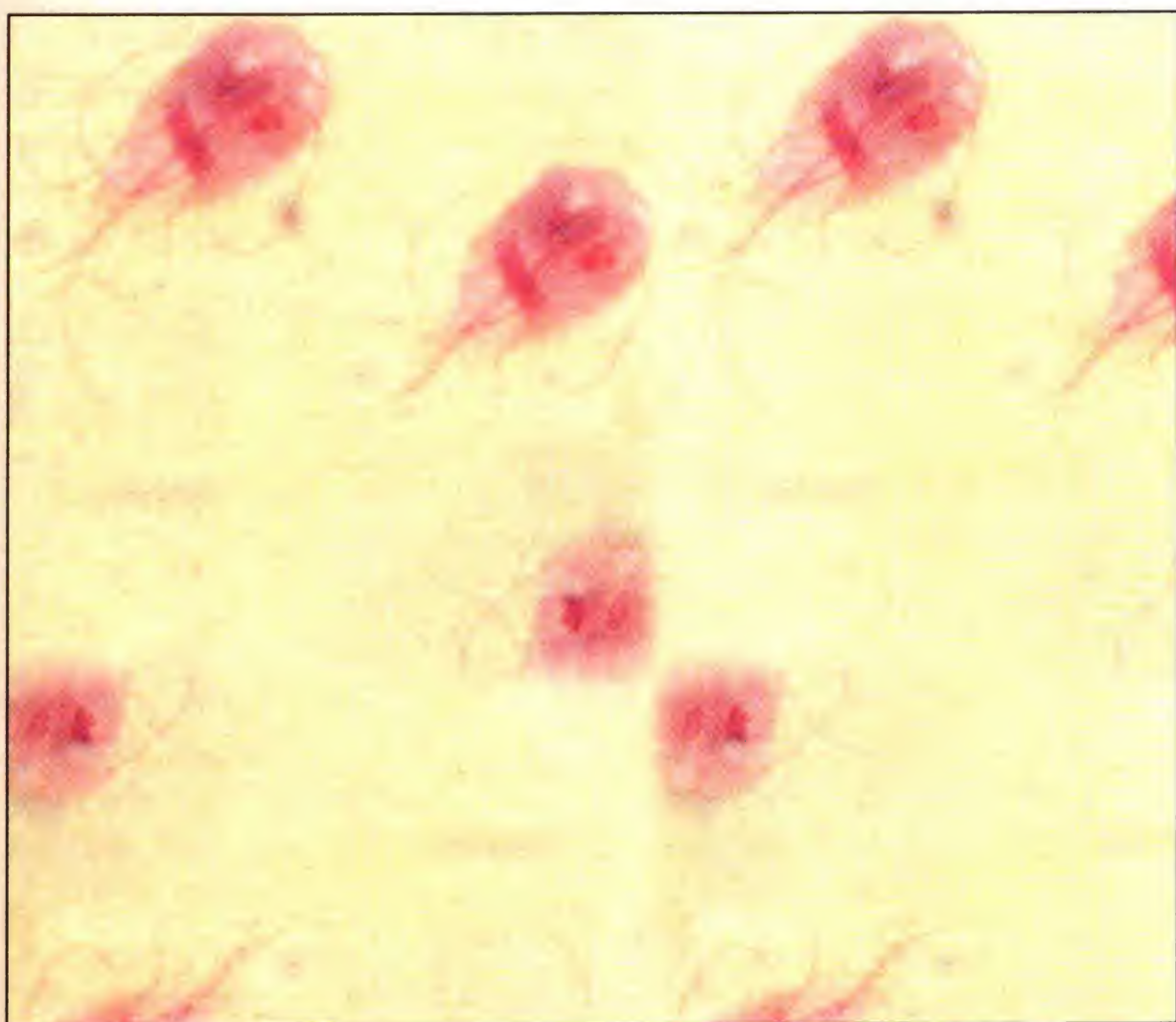


图14

图14 蓝氏贾第鞭毛虫滋养体
Giardia lamblia trophozoites (2)
(姬氏染色 Giemsa's stain 10×100)

图15 蓝氏贾第鞭毛虫滋养体
Giardia lamblia trophozoites (3)
(瑞氏染色 Wright's stain 10×100)

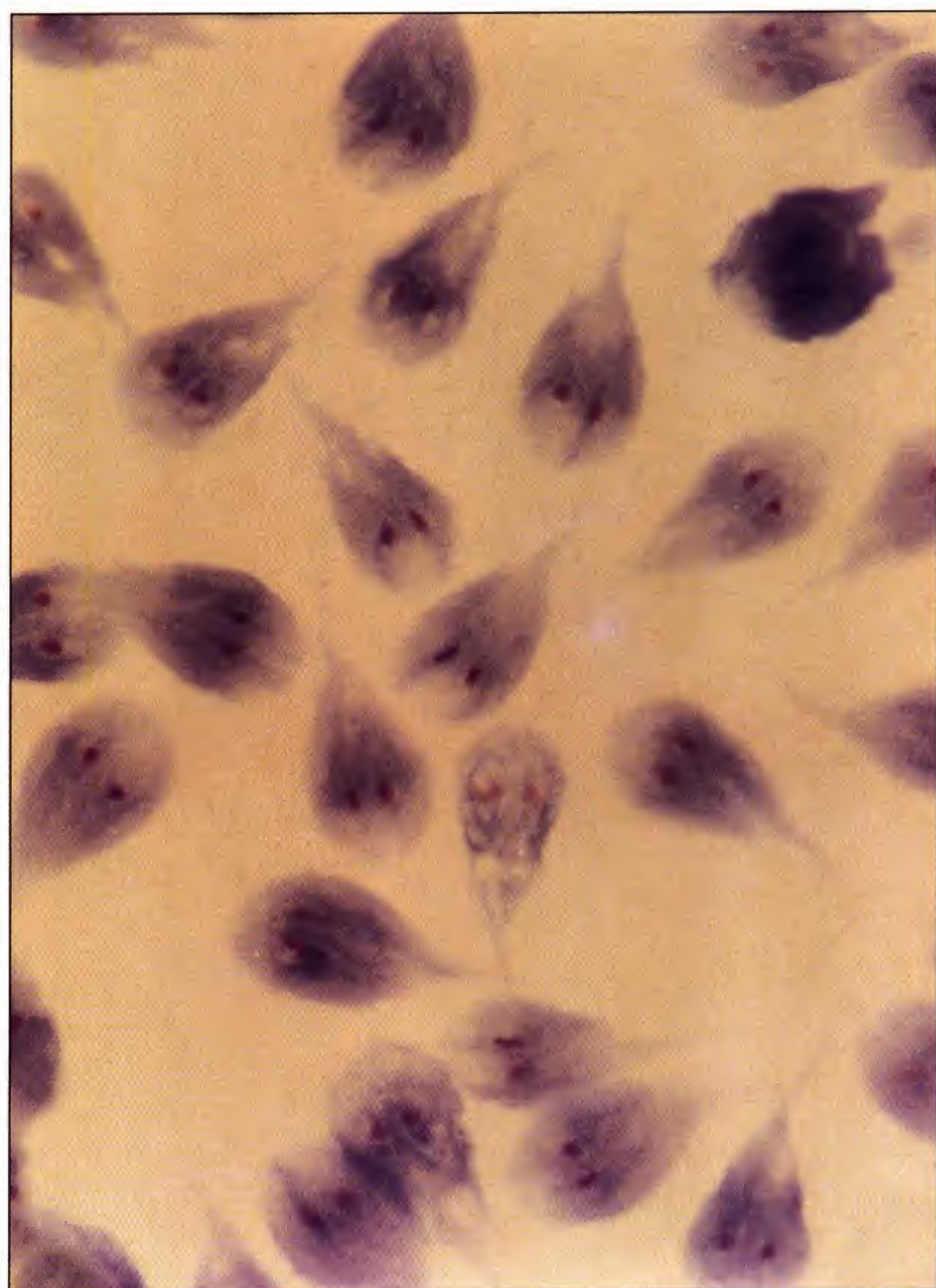


图15

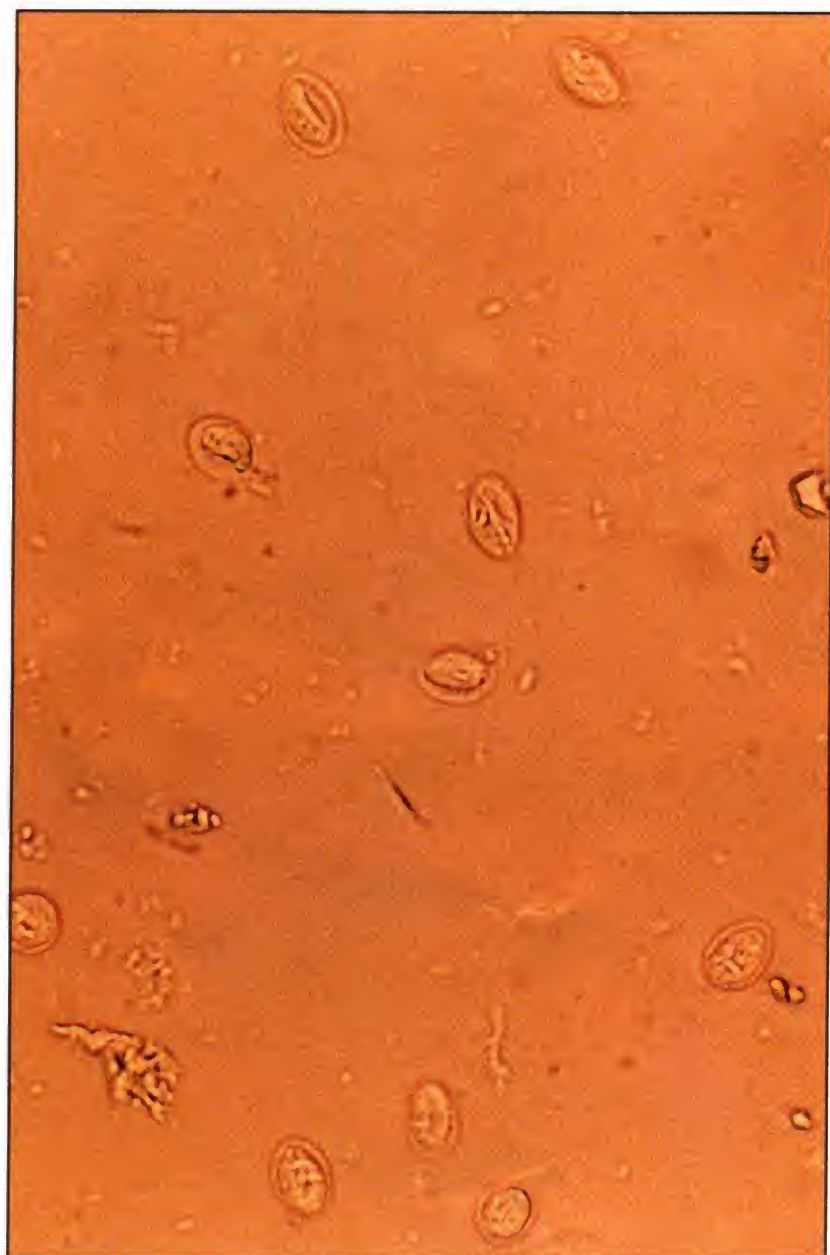


图16

图16 蓝氏贾第鞭毛虫包囊
Giardia lamblia cysts (1)
(生理盐水涂片 Direct saline smear 10×40)



图17

图17 蓝氏贾第鞭毛虫包囊
Giardia lamblia cysts (2)
(碘染 Iodine stain 10×40)



图18

图18 溶组织内阿米巴包囊与结肠内阿米巴包囊
Entamoeba histolytica cyst and *Entamoeba coli* cyst
← 溶组织内阿米巴包囊
Entamoeba histolytica cyst
← 结肠内阿米巴包囊
Entamoeba coli cyst
(碘染 Iodine stain 10×40)

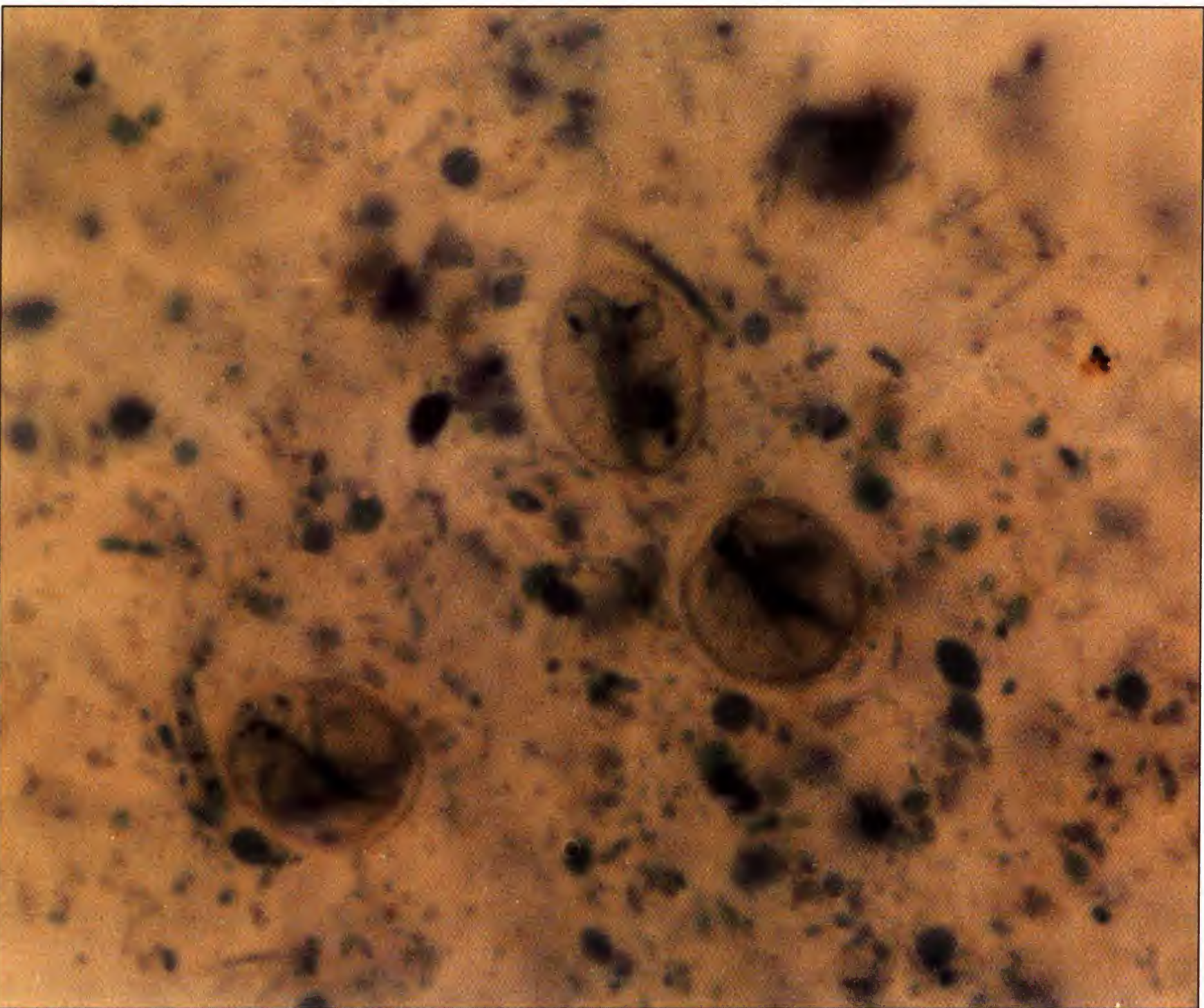


图19 蓝氏贾第鞭毛虫包囊
Giardia lamblia cysts (3)
(铁苏木素染色 Iron hematoxylin stain 10×100)

图19

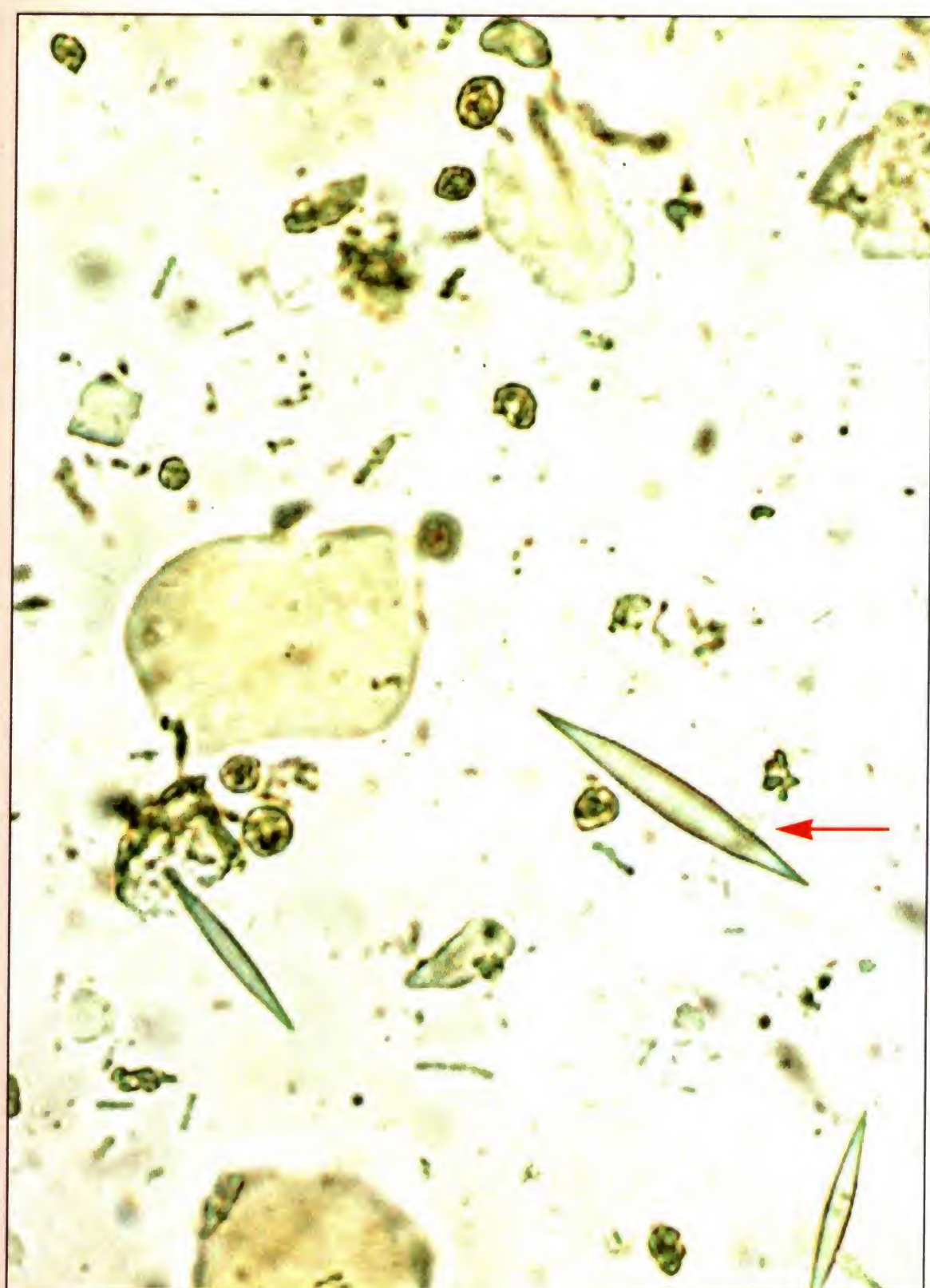


图20

图20 夏科-雷登氏结晶
Charcot - Leyden crystal
(自然色 Natural colour 10×100)



图22

图22 阴道毛滴虫
Trichomonas vaginalis (2)
(姬氏染色 Giemsa's stain 10×100)



图21

图21 阴道毛滴虫
Trichomonas vaginalis (1)
(瑞氏和姬氏混和染色 Mixed wright's and
Giemsa's stain 10×100)

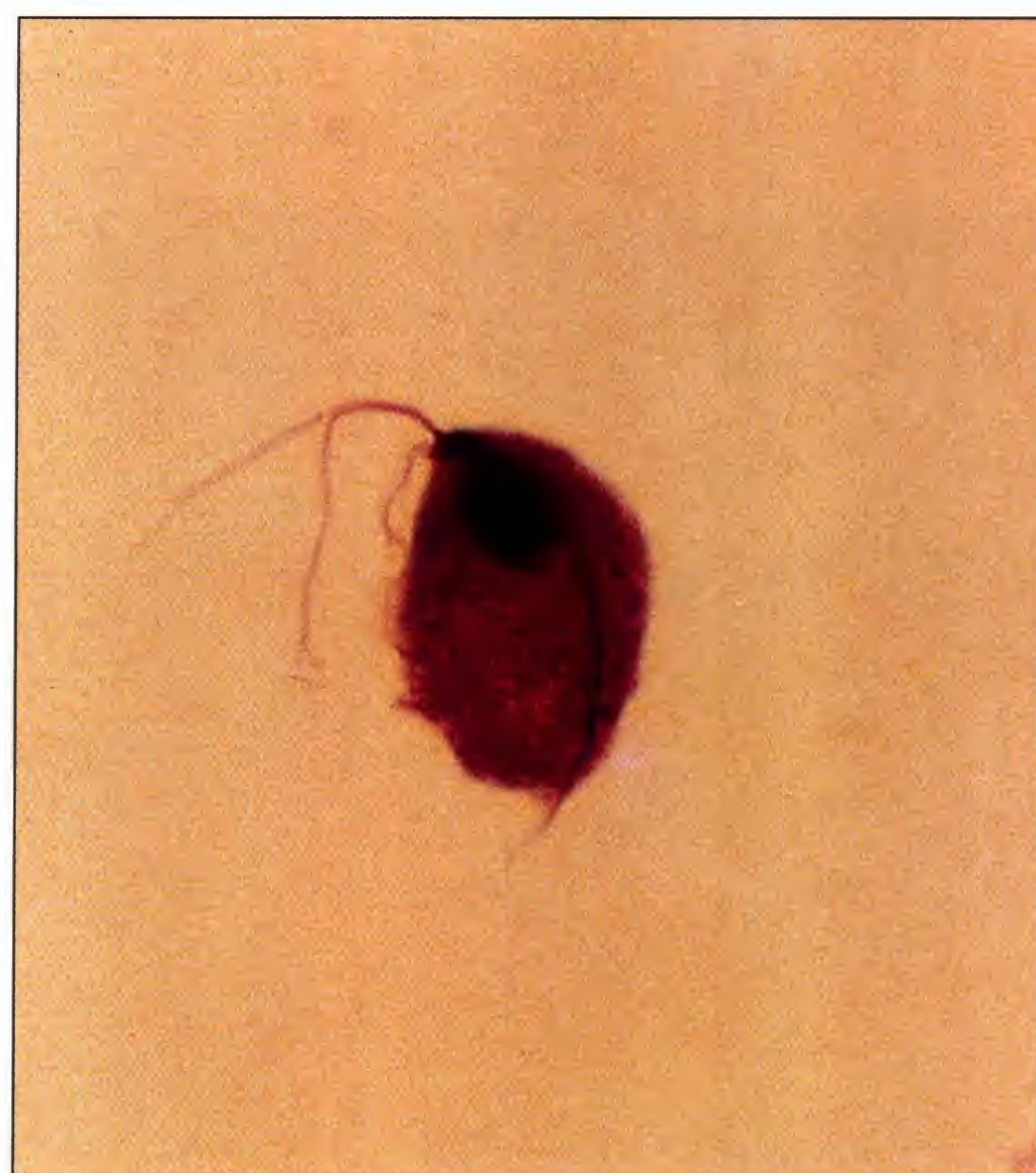


图23

图23 阴道毛滴虫
Trichomonas vaginalis (3)
(姬氏染色 Giemsa's stain 10×100)

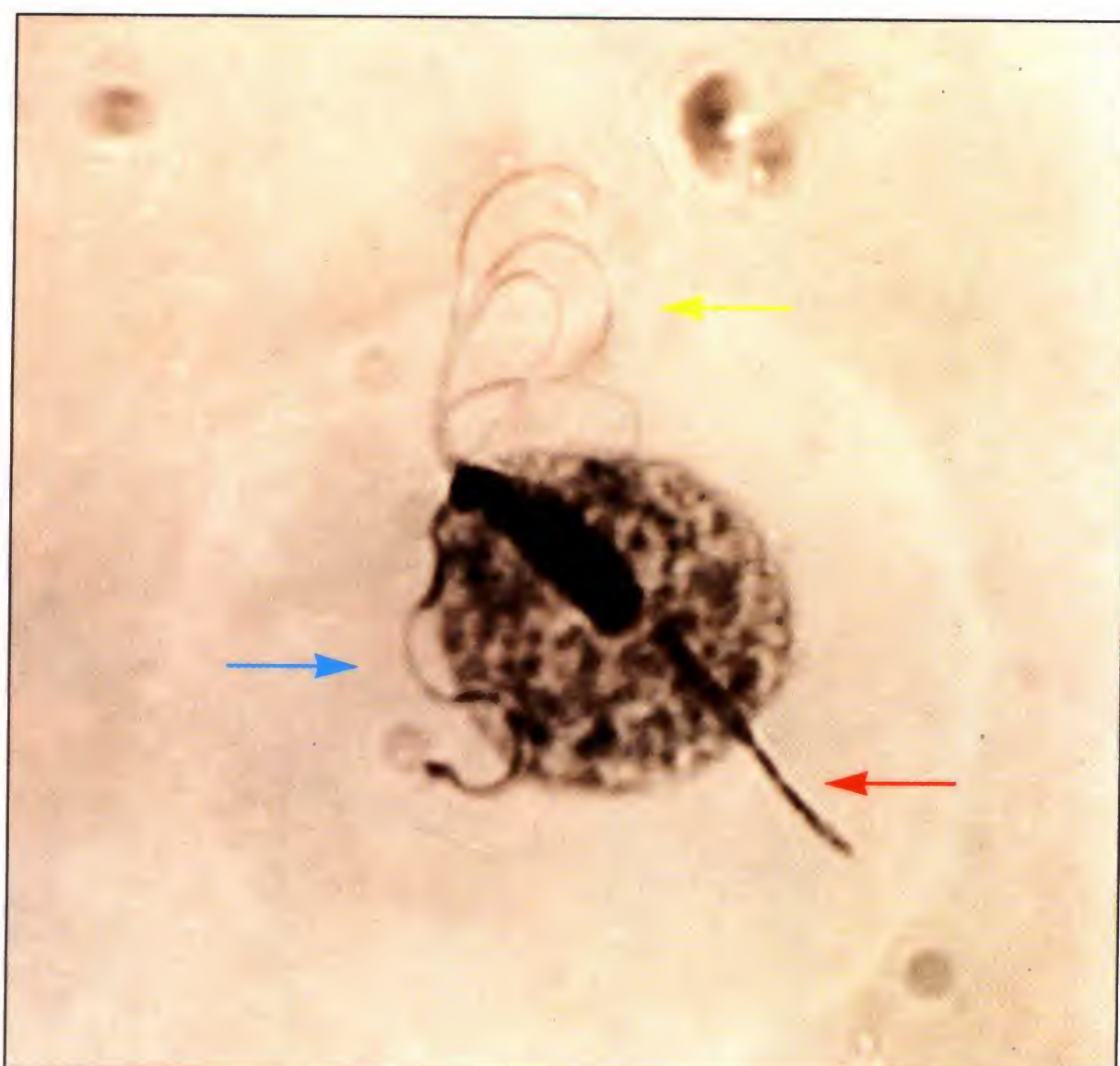


图24

图24 阴道毛滴虫

Trichomonas vaginalis (4)

← 四根前鞭毛 four anterior flagella

← 波动膜 undulating membrane

← 轴柱 axostyle

(10 × 100)

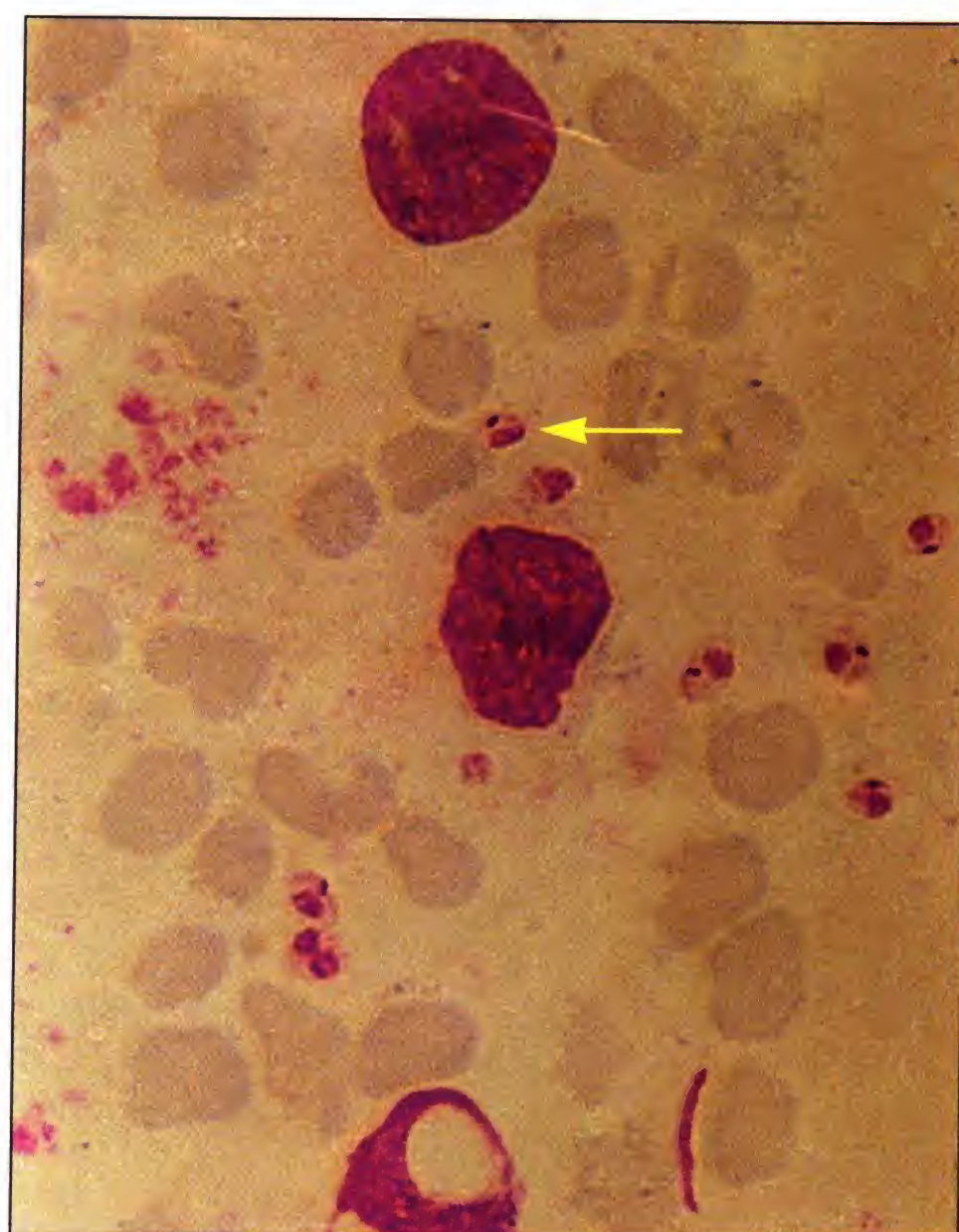


图25

图25 杜氏利什曼原虫无鞭毛体

Leishmania donovani amastigote (1)

(姬氏染色 Giemsa's stain 10 × 100)

图26 杜氏利什曼原虫无鞭毛体

Leishmania donovani amastigote (2)

(姬氏染色 Giemsa's stain 10 × 100)

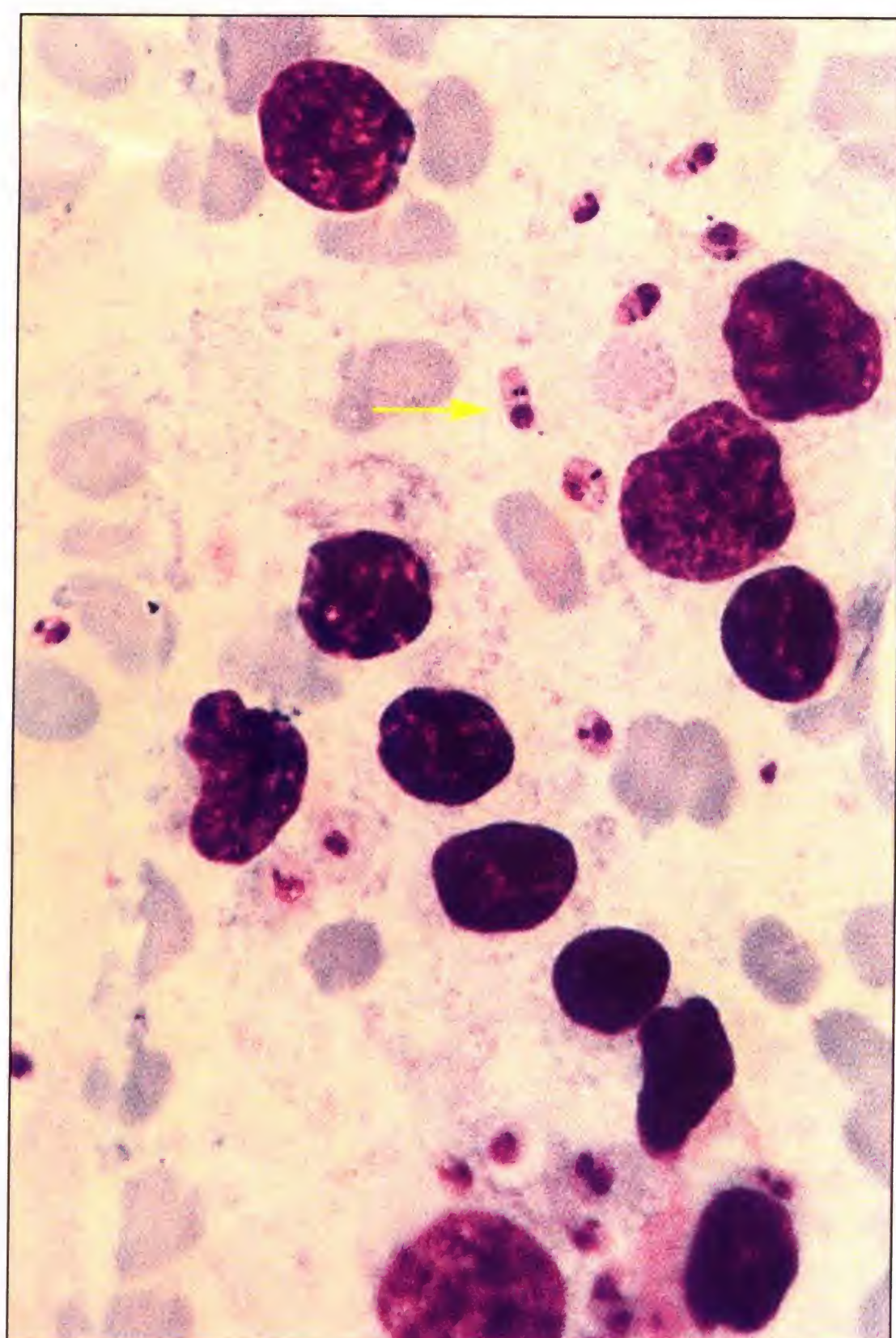


图26

图27 黑热病后皮肤利什曼疹

Post kala - azar dermal leishmaniasis



图27

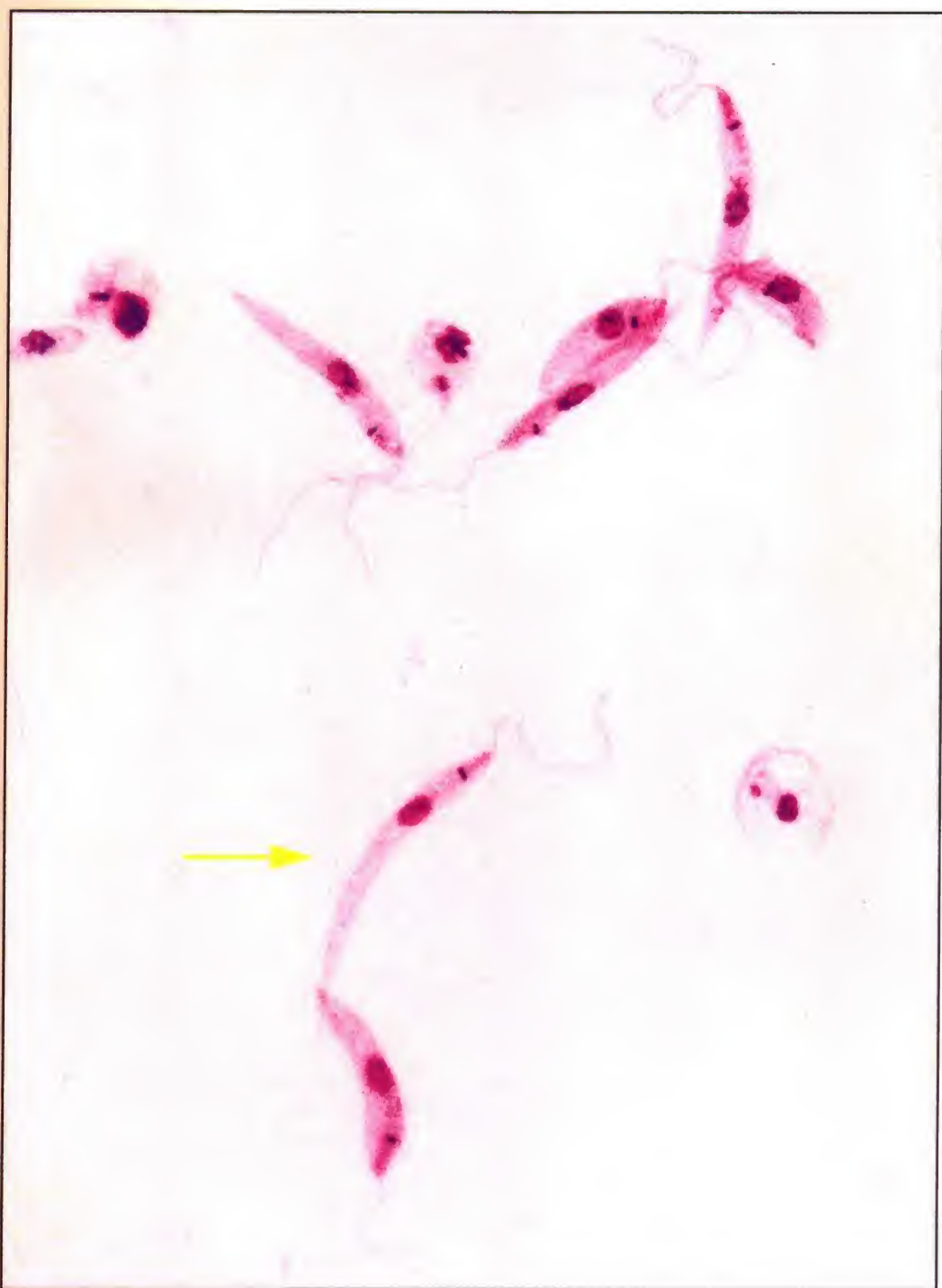


图28

图28 杜氏利什曼原虫前鞭毛体
Leishmania donovani promastigote (1)
(姬氏染色 Giemsa's stain 10×100)



图29

图29 杜氏利什曼原虫前鞭毛体
Leishmania donovani promastigote (2)
(姬氏染色 Giemsa's stain 10×100)

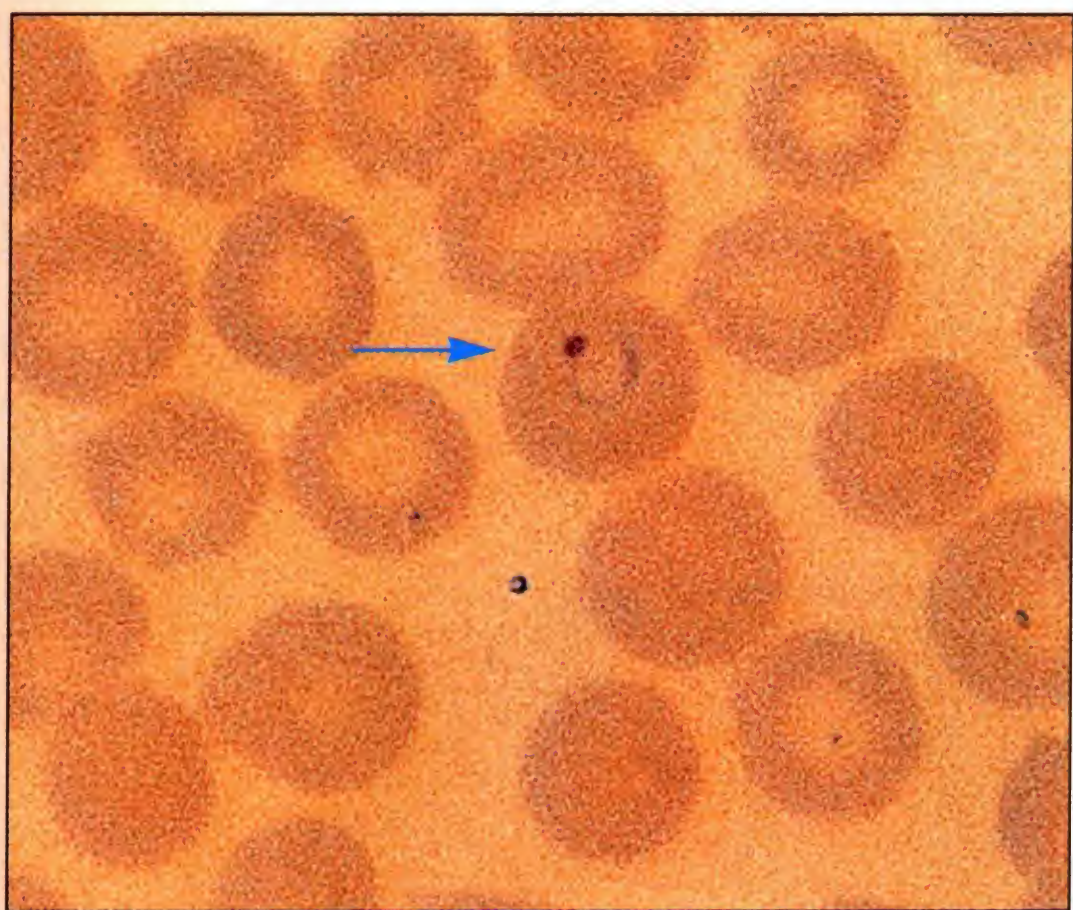


图30

图30 间日疟原虫环状体
Ring form of *Plasmodium vivax*
(姬氏染色 Giemsa's stain 10×100)

图31 间日疟原虫大滋养体
Trophozoite of *Plasmodium vivax* (1)
(姬氏染色 Giemsa's stain 10×100)



图31

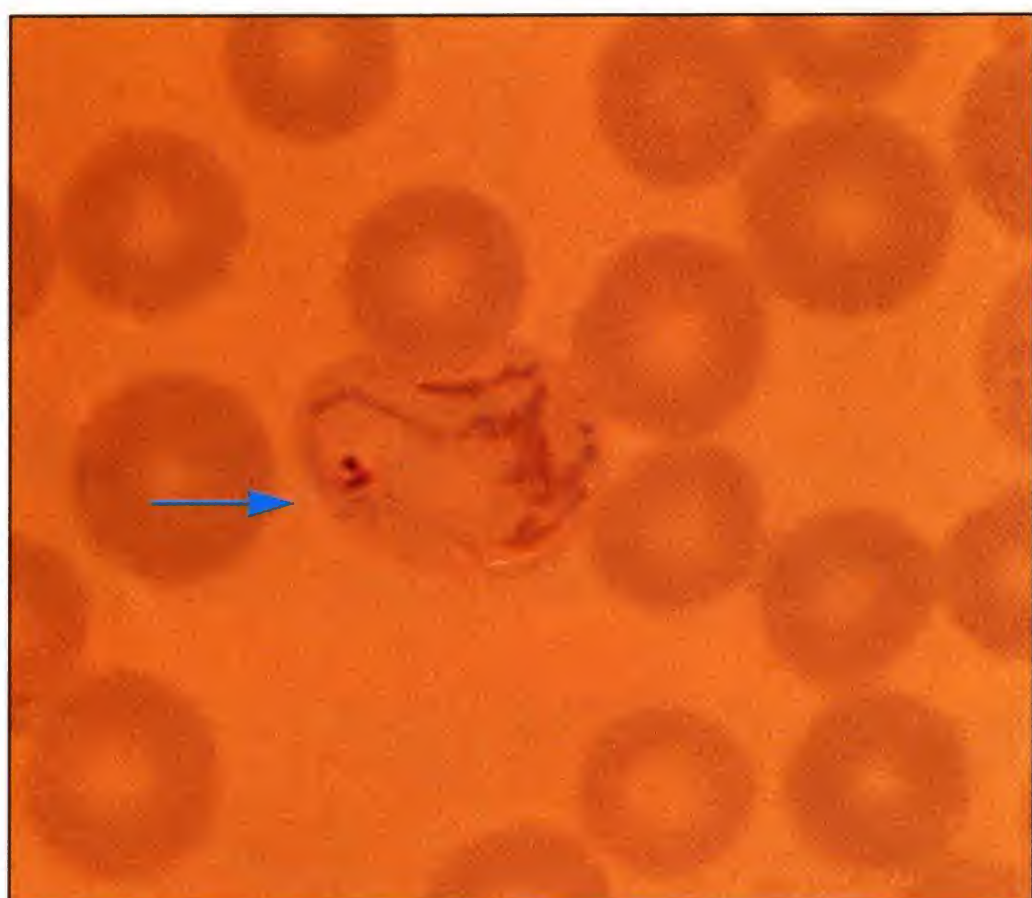


图32

图32 间日疟原虫大滋养体
Trophozoite of *Plasmodium vivax* (2)
(姬氏染色 Giemsa's stain 10×100)

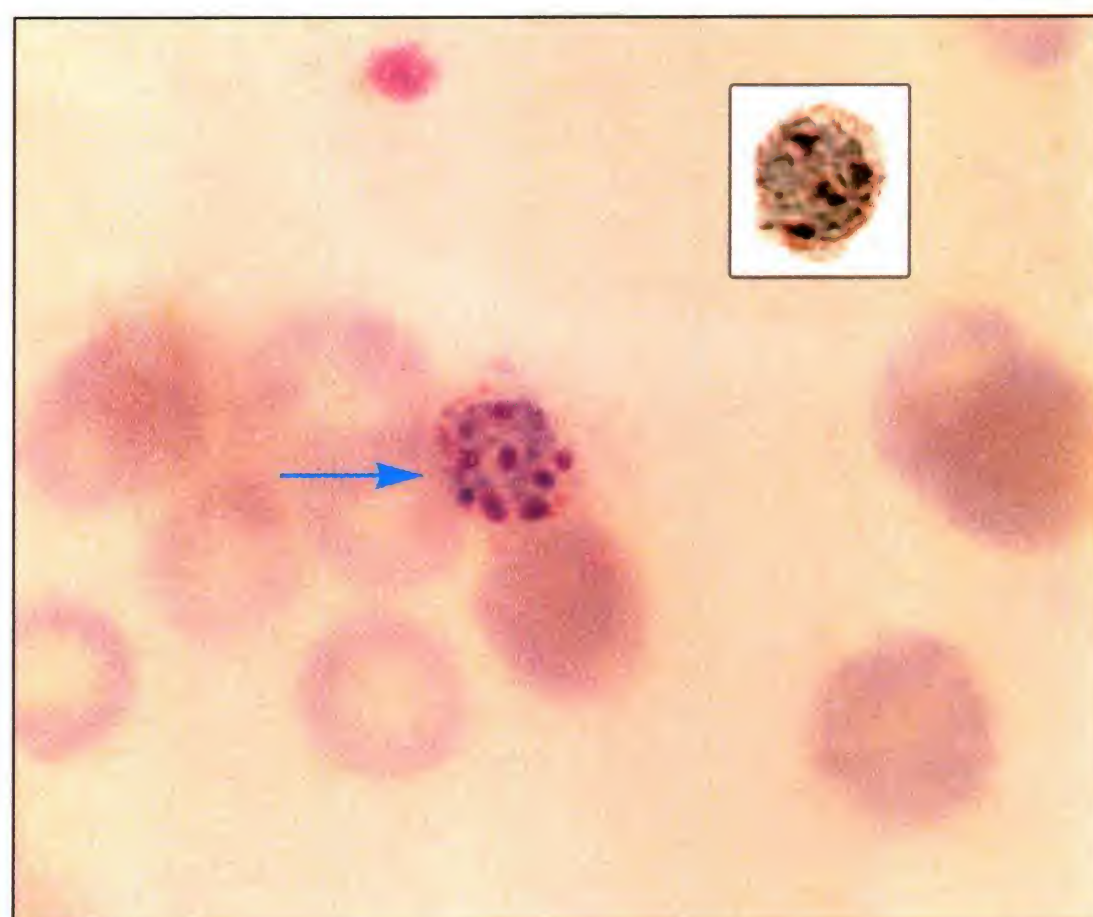


图33

图33 间日疟原虫未成熟裂殖体
Immature schizont of *Plasmodium vivax*
(姬氏染色 Giemsa's stain 10×100)

图34 间日疟原虫成熟裂殖体
Mature schizont of *Plasmodium vivax* (1)
(姬氏染色 Giemsa's stain 10×100)



图34

图35 间日疟原虫成熟裂殖体
Mature schizont of *Plasmodium vivax* (2)
(姬氏染色 Giemsa's stain 10×100)

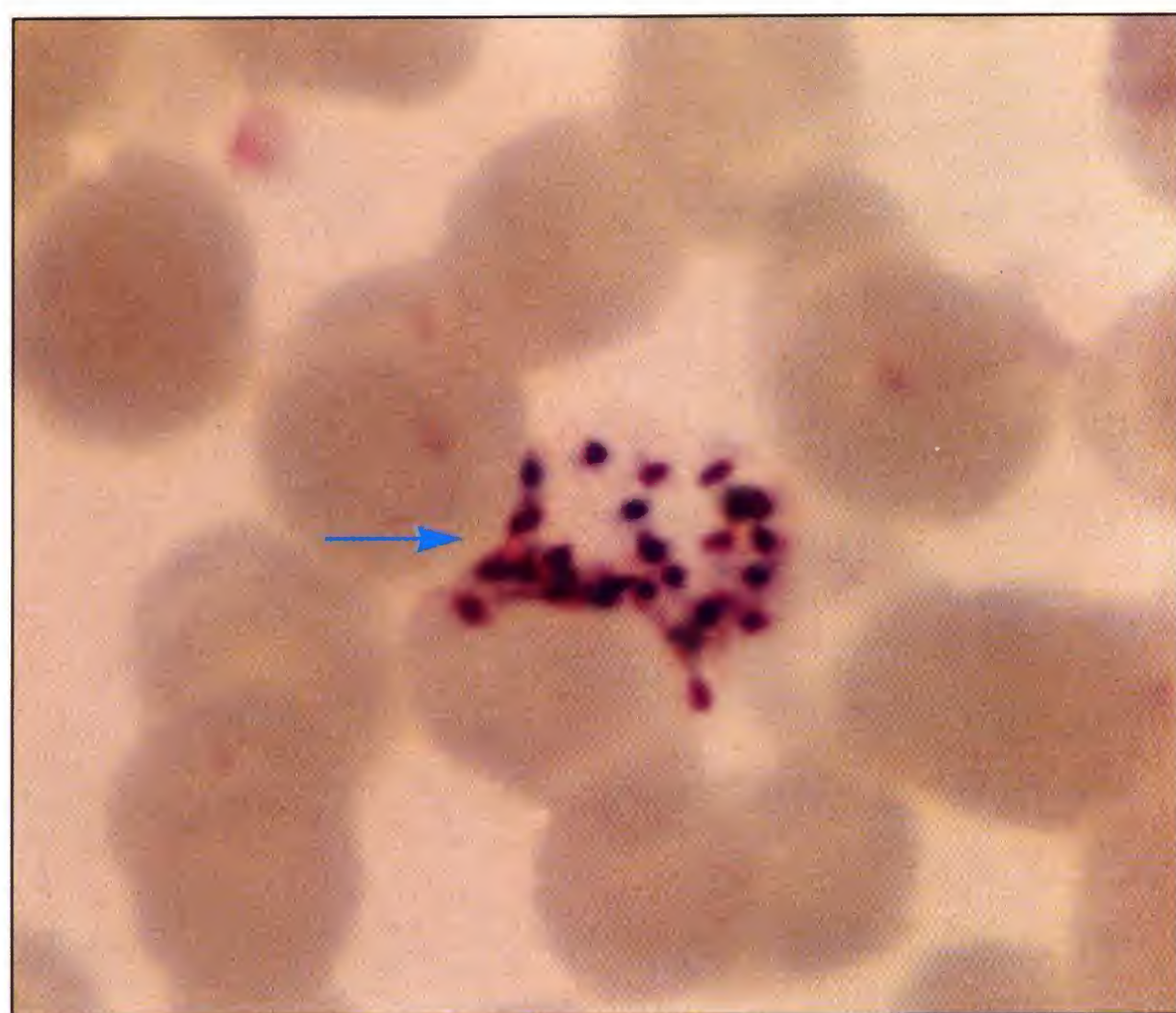


图35

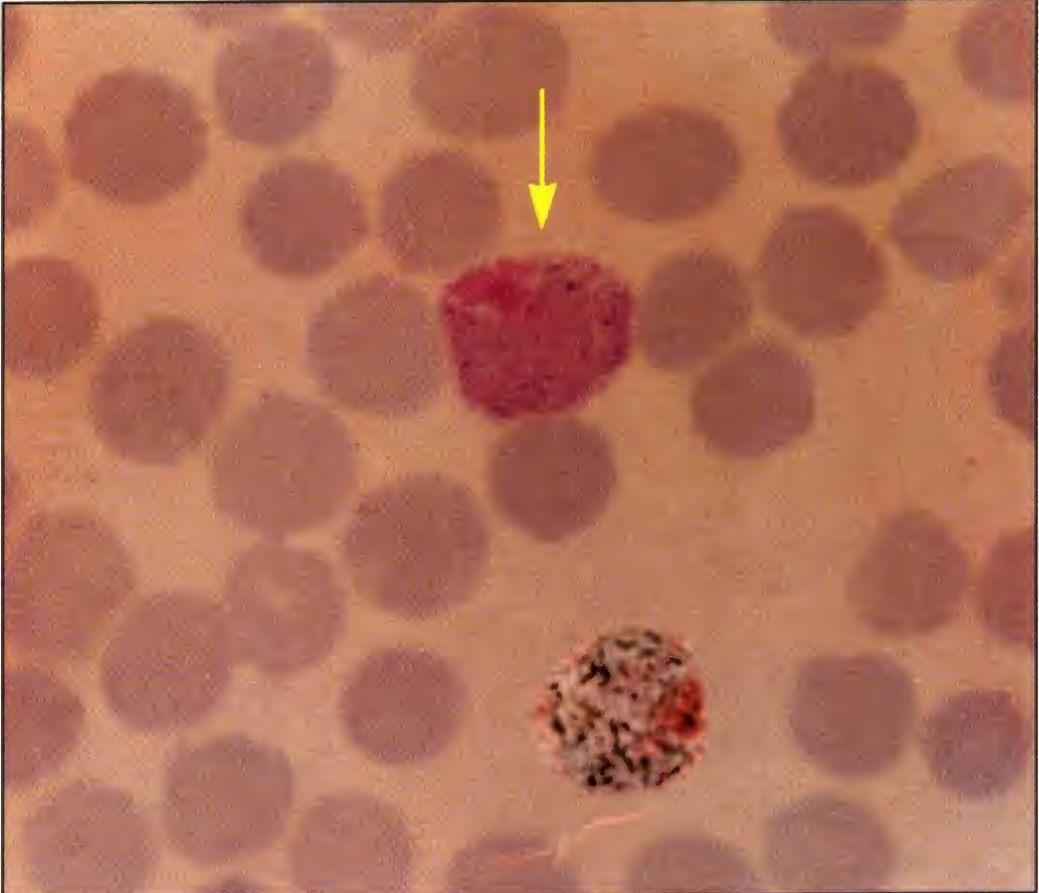


图37

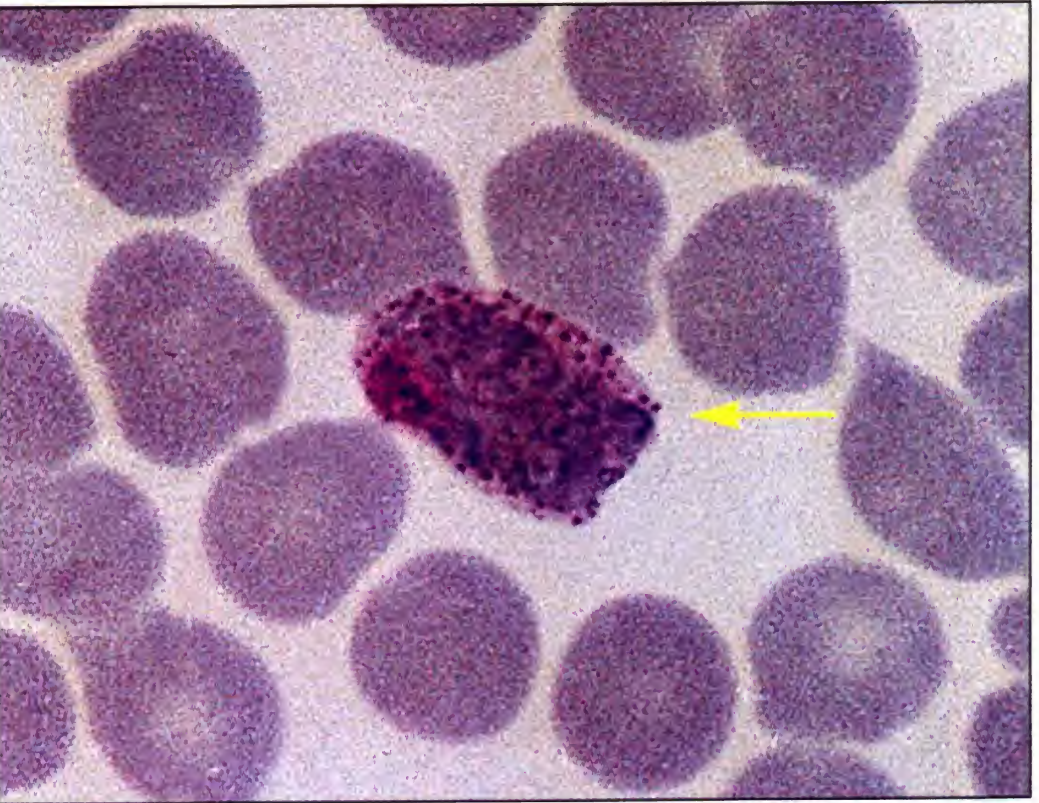


图38

图36

图39

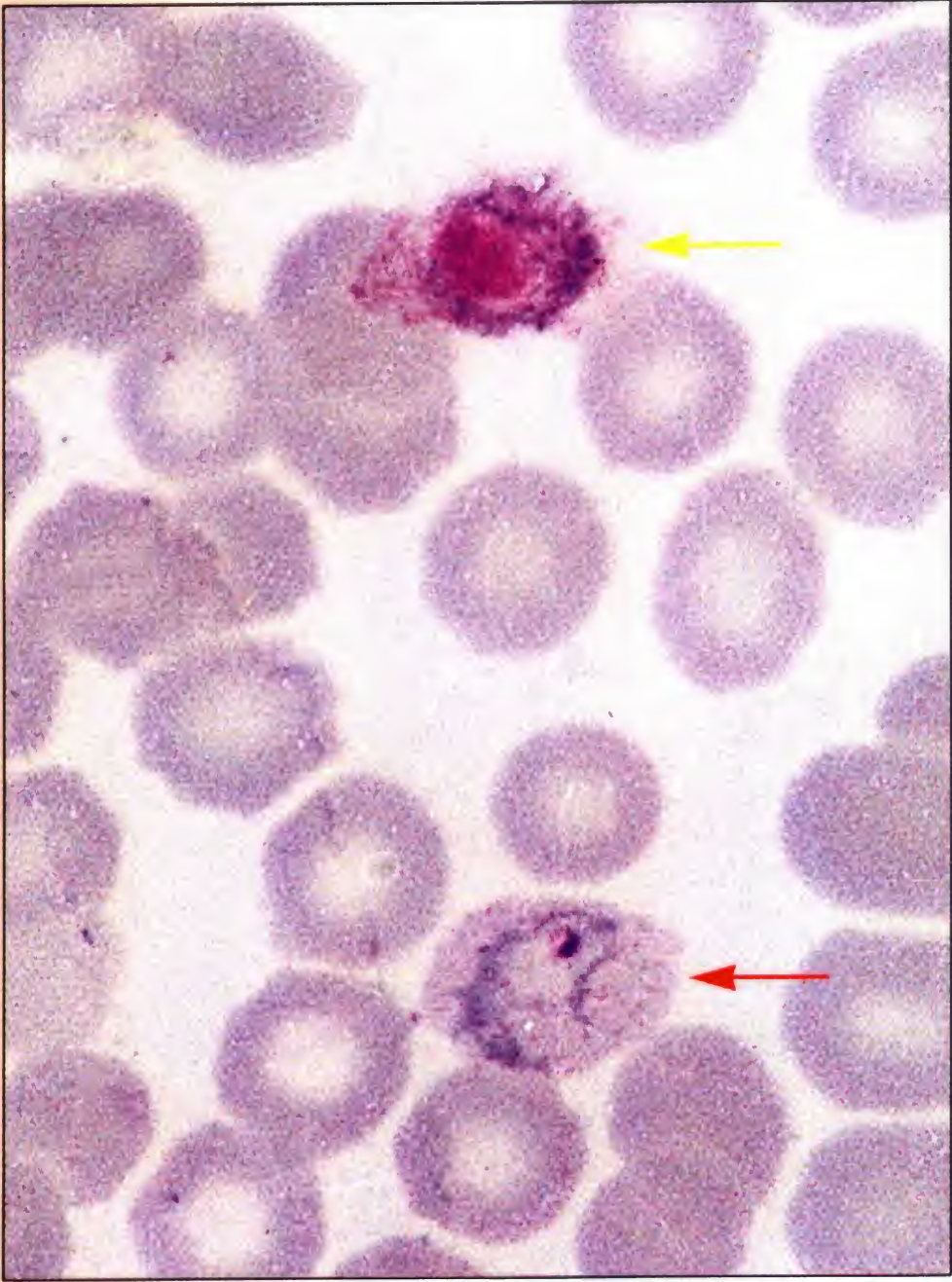


图36 间日疟原虫雌配子体

Macrogametocyte of *Plasmodium vivax* (1)

- ← 雌配子体 Macrogametocyte
 - ← 雄配子体 Microgametocyte
 - ← 形成中的雌配子体 Developing macrogametocyte
- (姬氏染色 Giemsa's stain 10 × 100)

图37 间日疟原虫雌配子体

Macrogametocyte of *Plasmodium vivax* (2)

(姬氏染色 Giemsa's stain 10 × 100)

图38 间日疟原虫雌配子体

Macrogametocyte of *Plasmodium vivax* (3)

(姬氏染色 Giemsa's stain 10 × 100)

图39 间日疟原虫雄配子体

Microgametocyte of *Plasmodium vivax*

- ← 雄配子体 Microgametocyte
 - ← 间日疟原虫大滋养体 Trophozoite of *Plasmodium vivax*
- (姬氏染色 Giemsa's stain 10 × 100)



图40

图40 恶性疟原虫环状体

Ring form of *Plasmodium falciparum*

(姬氏染色 Giemsa's stain 10 × 100)



图41

图41 恶性疟原虫雄配子体

Microgametocyte of *Plasmodium falciparum*

(姬氏染色 Giemsa's stain 10 × 100)

图43



图42

图42 恶性疟原虫雌配子体

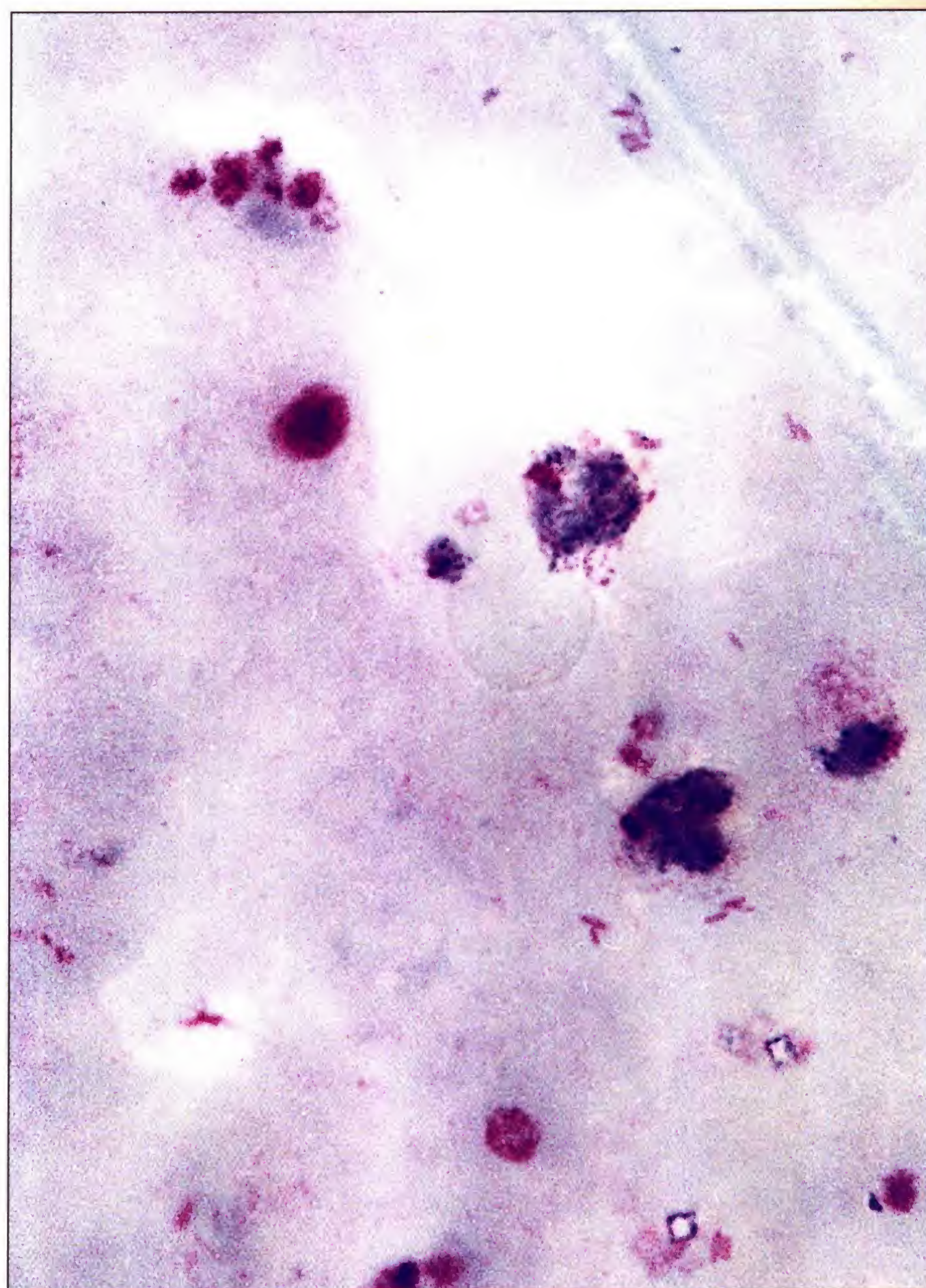
Macrogametocyte of *Plasmodium falciparum*

(姬氏染色 Giemsa's stain 10 × 100)

图43 间日疟原虫，厚血膜

Plasmodium vivax, thick blood film

(姬氏染色 Giemsa's stain 10 × 100)



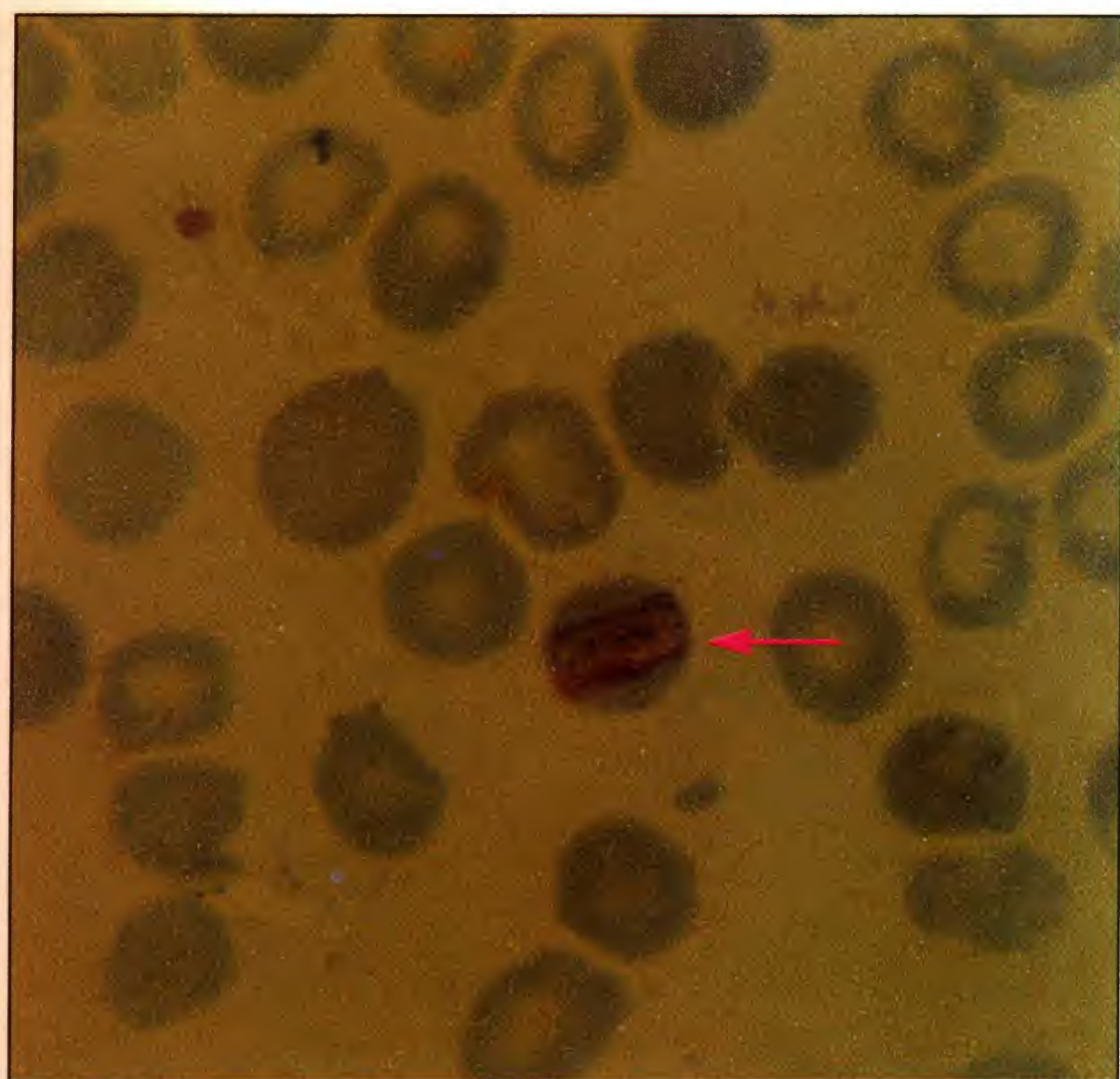


图44
图44 三日疟原虫
Plasmodium malariae
(姬氏染色 Giemsa's stain 10×100)

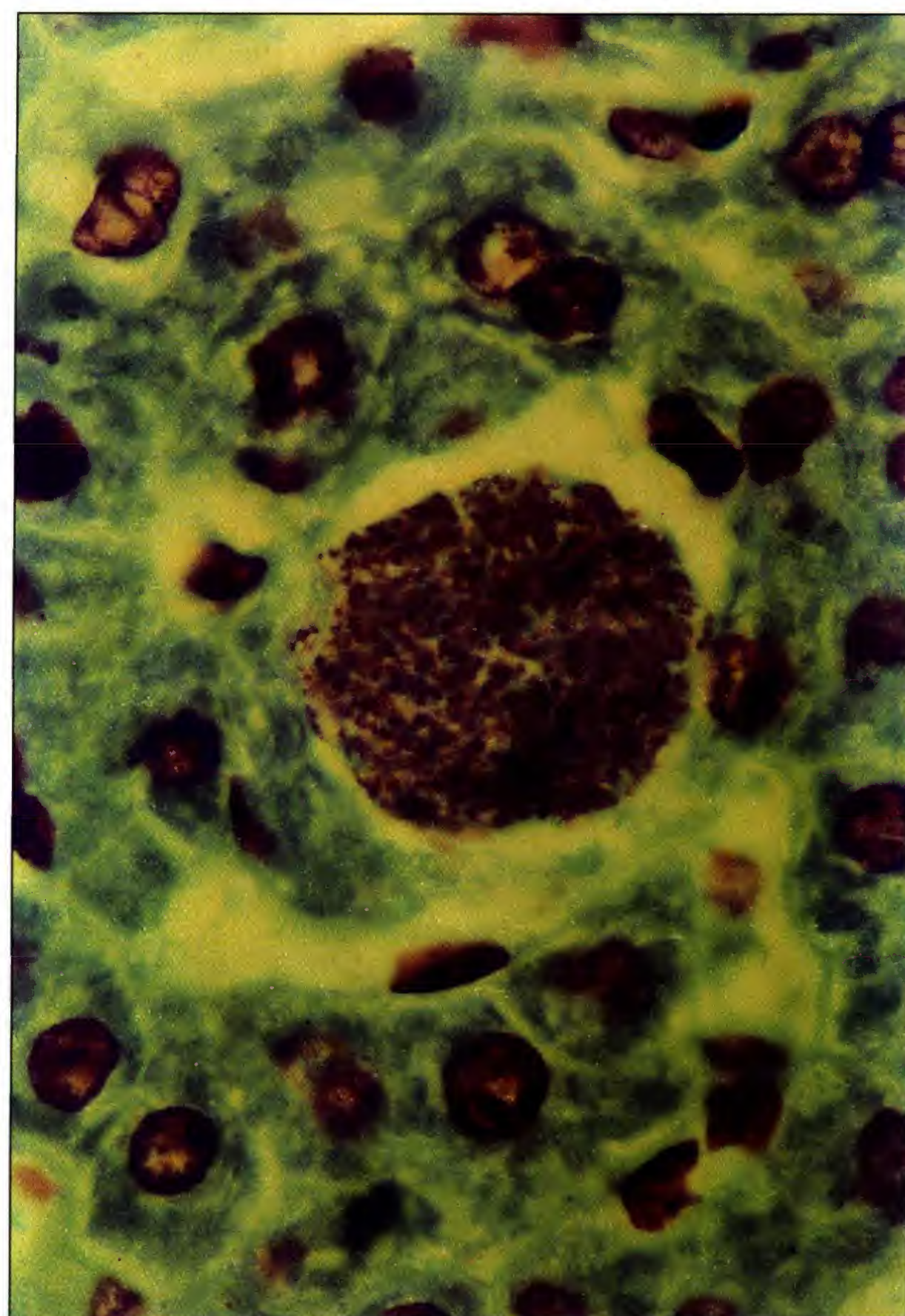


图45

图45 疟原虫红外期裂殖体
Exoerythrocytic schizont of *Plasmodium*
(姬氏染色 Giemsa's stain 10×100)



图46

图46 疟原虫卵囊
Oocysts of *Plasmodium*
(姬氏染色 Giemsa's stain 10×40)

图47 疟原虫子孢子
Sporozoites of *Plasmodium* (1)
(姬氏染色 Giemsa's stain 10×100)

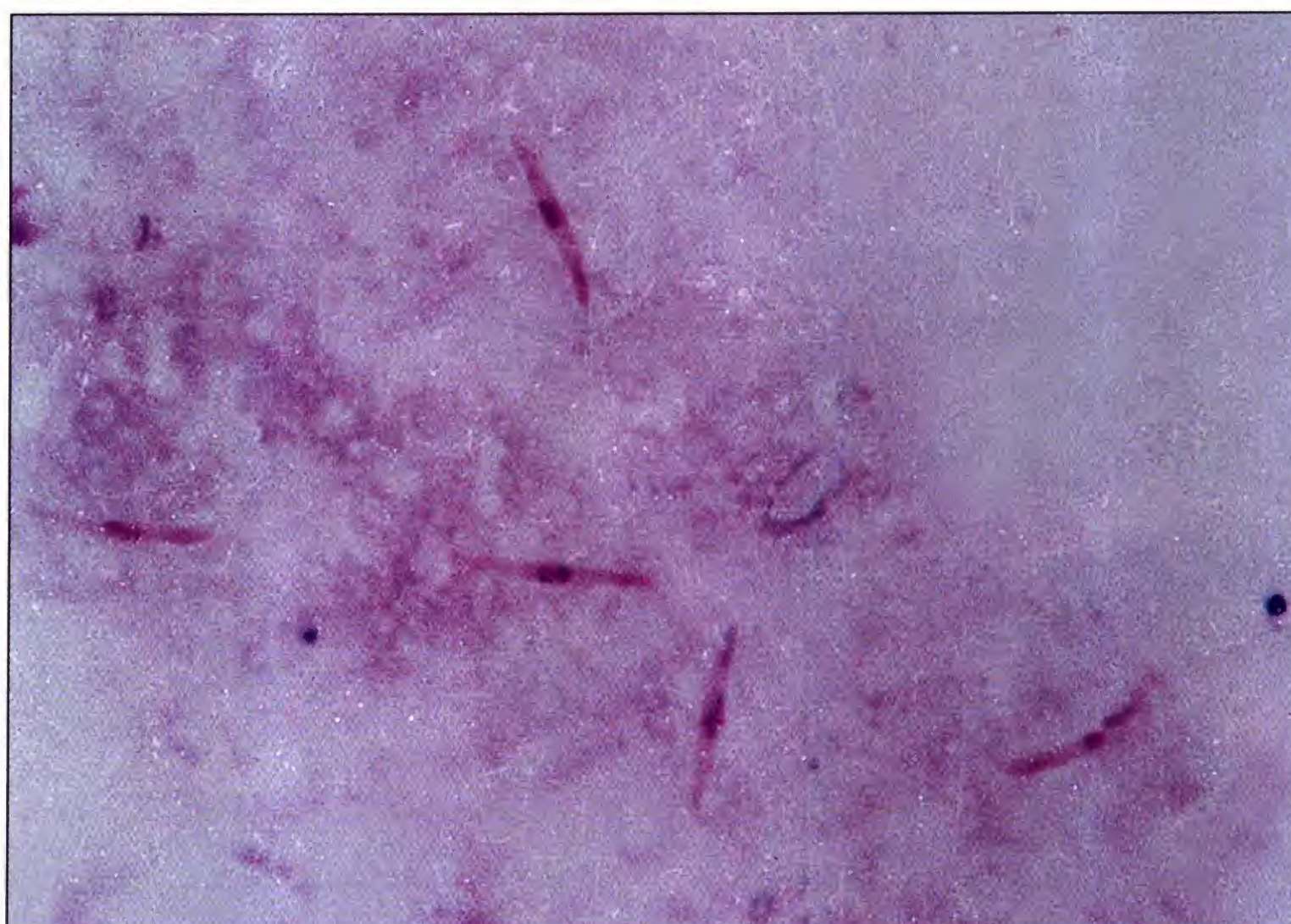


图47



图48



图49



图50

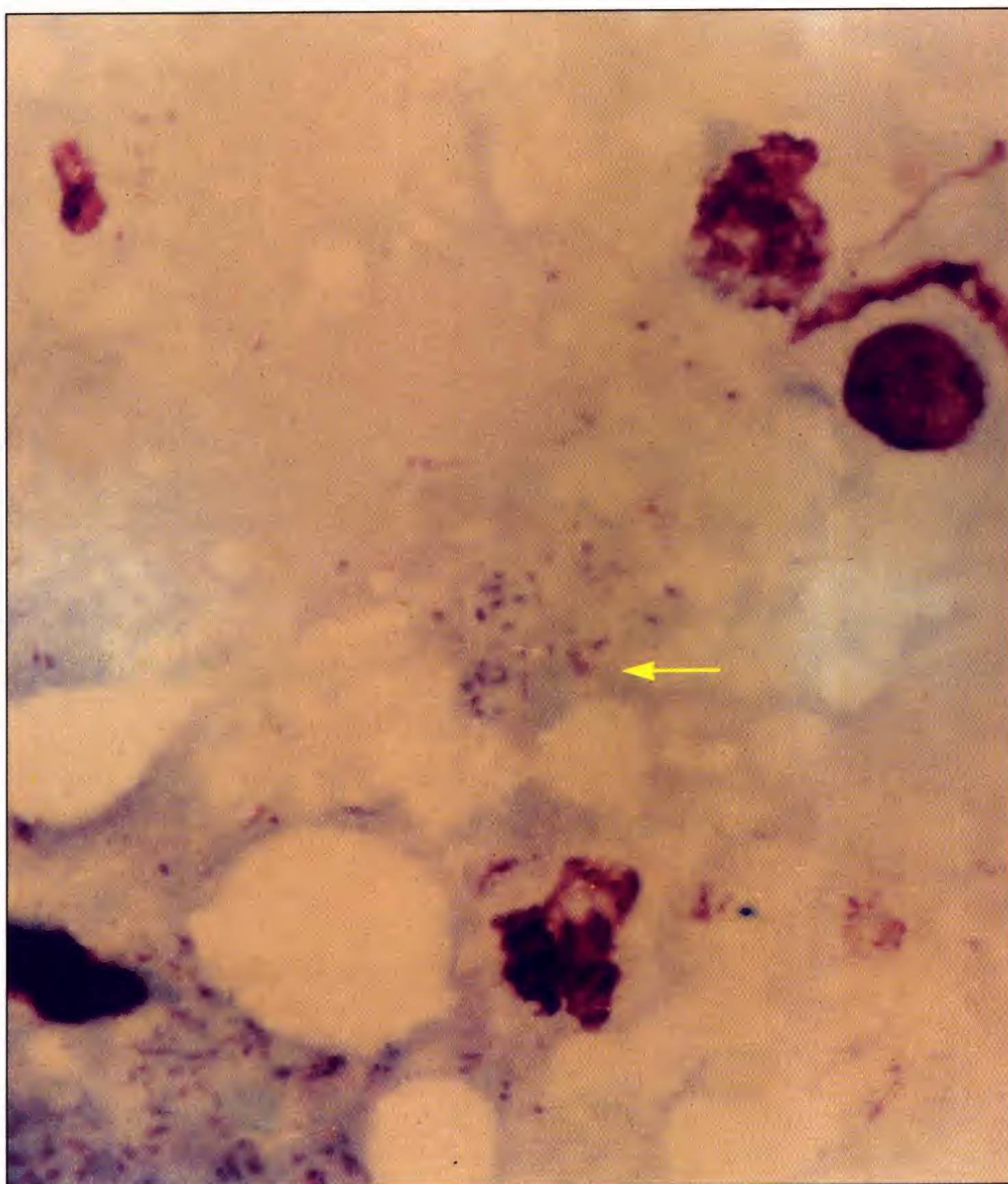


图51

图48 疟原虫子孢子
Sporozoites of Plasmodium (2)
(姬氏染色 Giemsa's stain 10×100)

图49 刚地弓形虫滋养体
Trophozoites of Toxoplasma gondii (1)
(姬氏染色 Giemsa's stain 10×100)

图50 刚地弓形虫滋养体
Trophozoites of Toxoplasma gondii (2)
(姬氏染色 Giemsa's stain 10×100)

图51 卡氏肺孢子虫
Pneumocystis carinii
(姬氏染色 Giemsa's stain 10×100)



图52 隐孢子虫卵囊

Oocyst of *Cryptosporidium*

(改良抗酸染色 Modified acid - fast stain 10×100)

图52

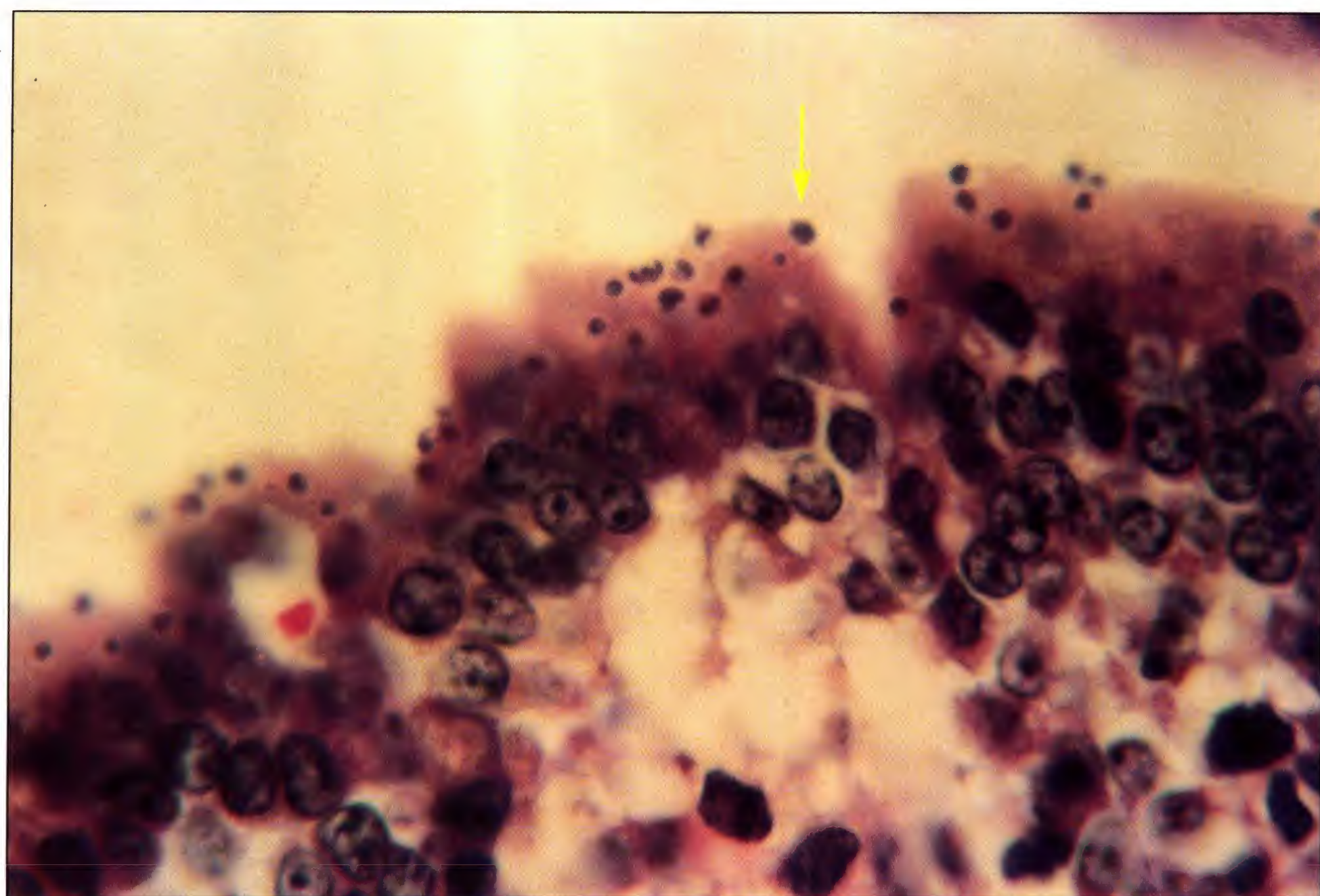


图53

图53 隐孢子虫病肠切片

Section of bowel tissue of cryptosporidiosis

← 隐孢子虫 *Cryptosporidium*

(苏木素和伊红染色 Hematoxylin and eosin stain 10×40)

图54

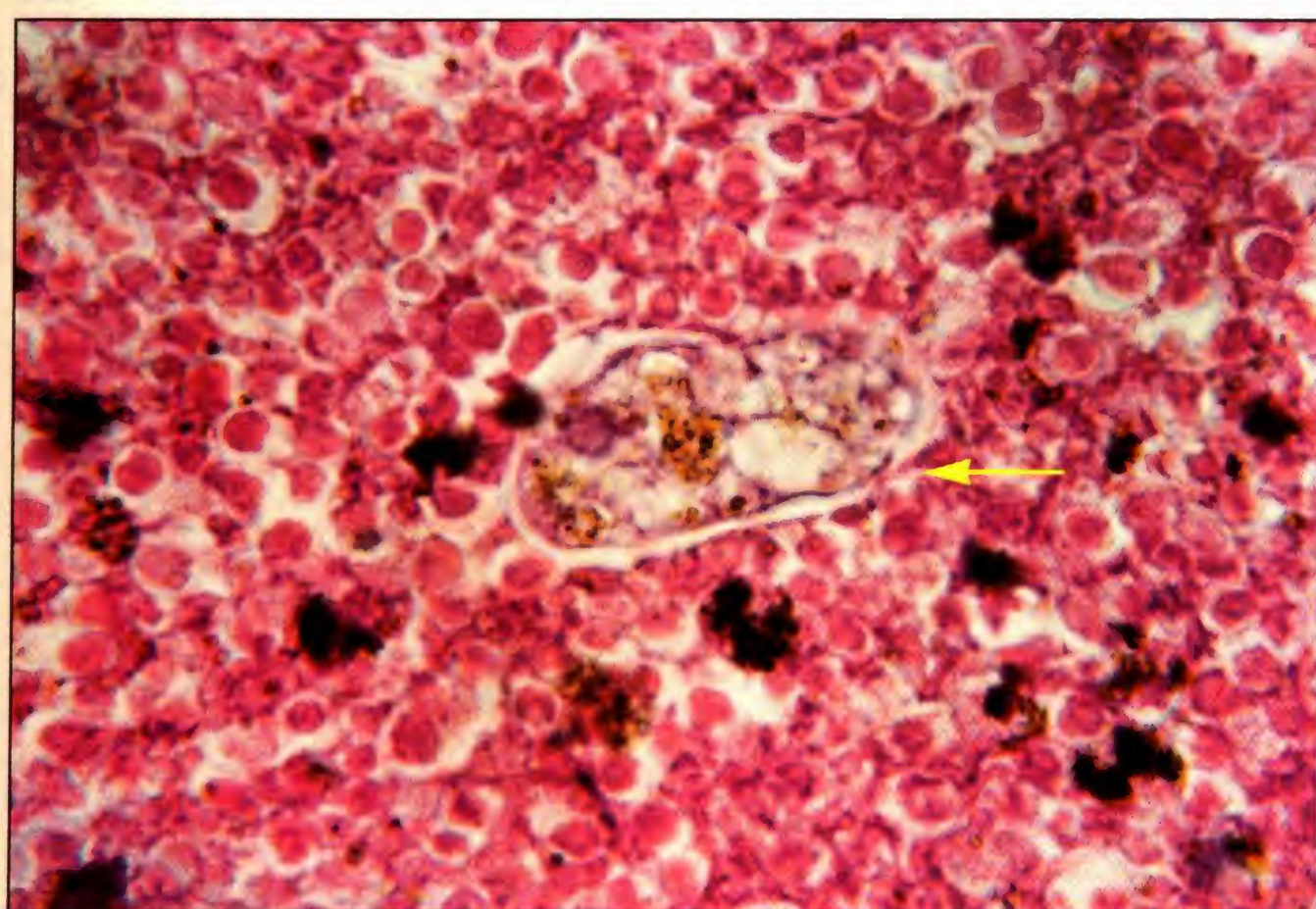


图54 阿米巴肝脓肿切片

Section of amebic liver abscess

← 溶组织内阿米巴滋养体 *Entamoeba histolytica* trophozoite

(苏木素和伊红染色 Hematoxylin and eosin stain 10×40)

蠕虫 Helminths

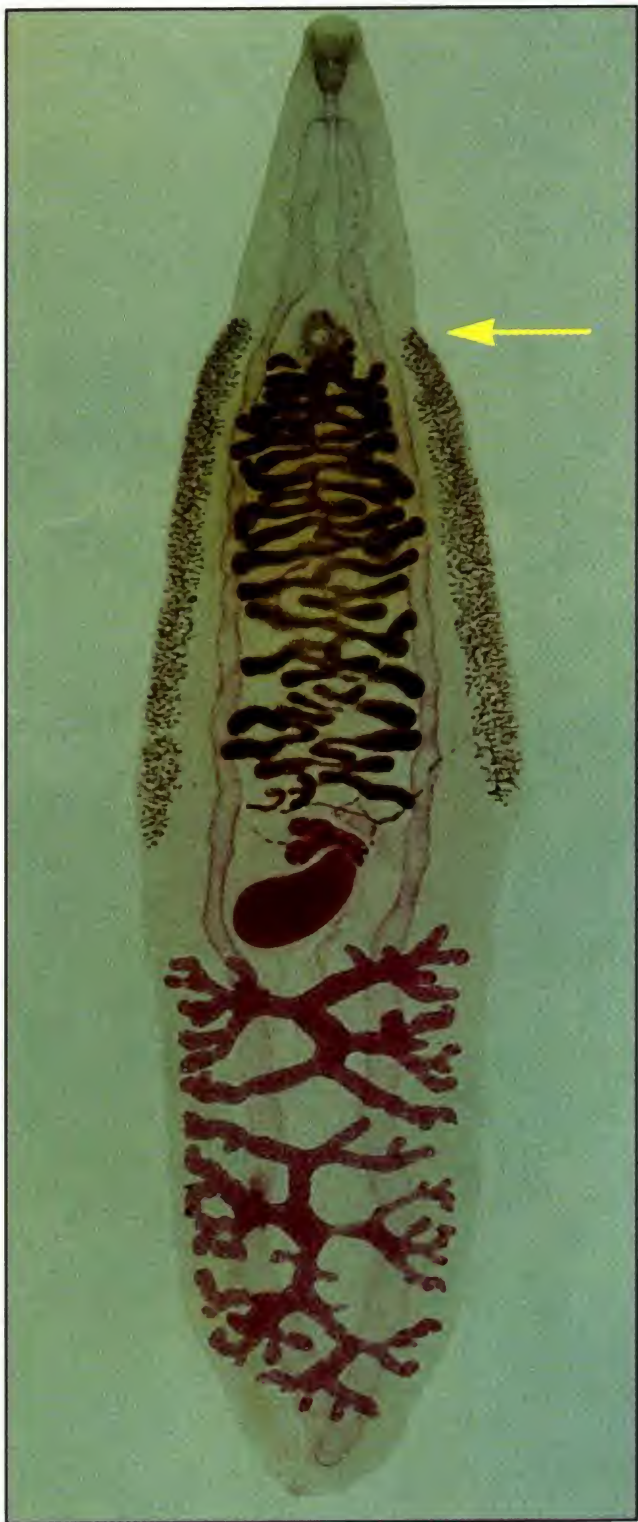


图55 华支睾吸虫成虫
Adult of *Clonorchis sinensis*
← 腹吸盘 Ventral sucker
(卡红染色 Carmine stain 6.3×4)

图56 布氏姜片虫成虫
Adult of *Fasciolopsis buski*
← 腹吸盘 Ventral sucker
(卡红染色 Carmine stain 6.3×0.63)

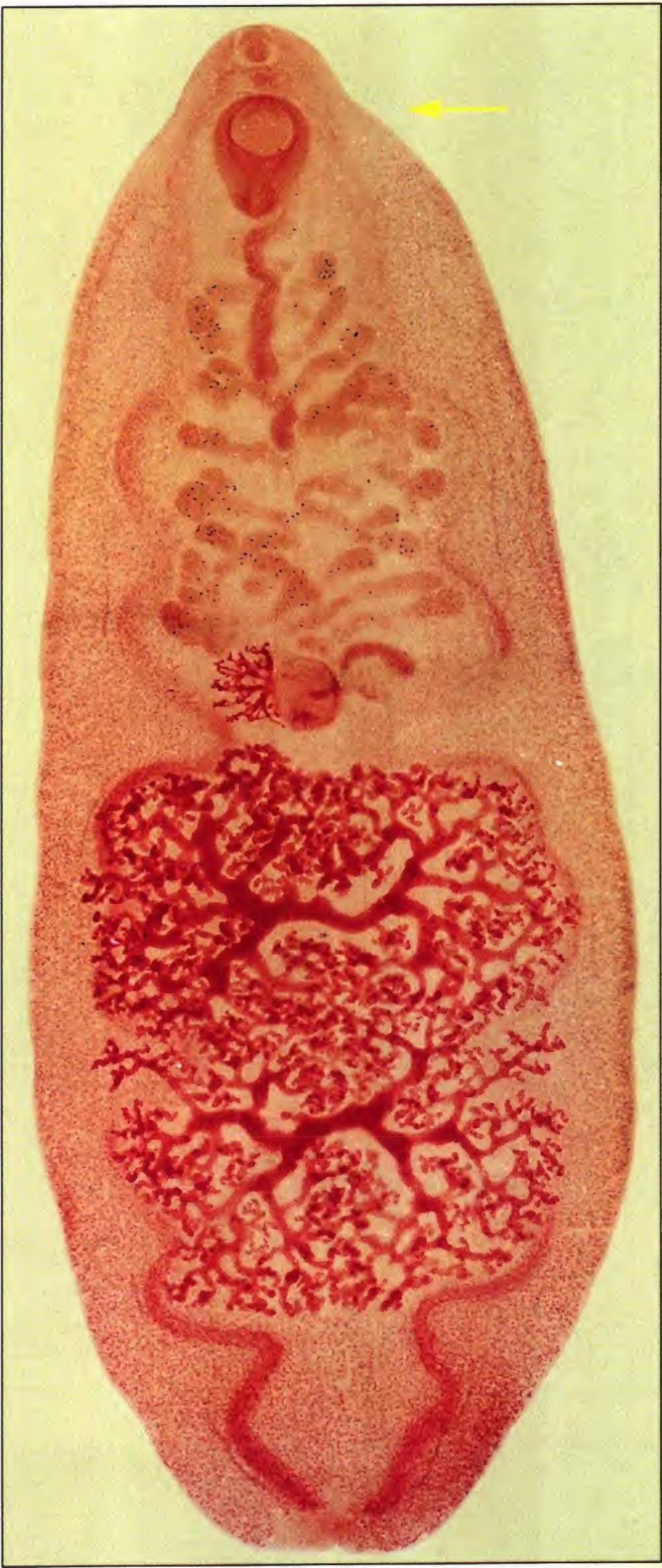


图56

图57 卫氏并殖吸虫成虫
Adult of *Paragonimus westermani*
← 腹吸盘 Ventral sucker
(卡红染色 Carmine stain 6.3×2)



图58



图57

图58 斯氏狸殖吸虫成虫
Adult of *Pagumogonimus skrjabini* (1)
← 腹吸盘 Ventral sucker
(卡红和快绿染色 Carmine and fast green stain 6.3×2)

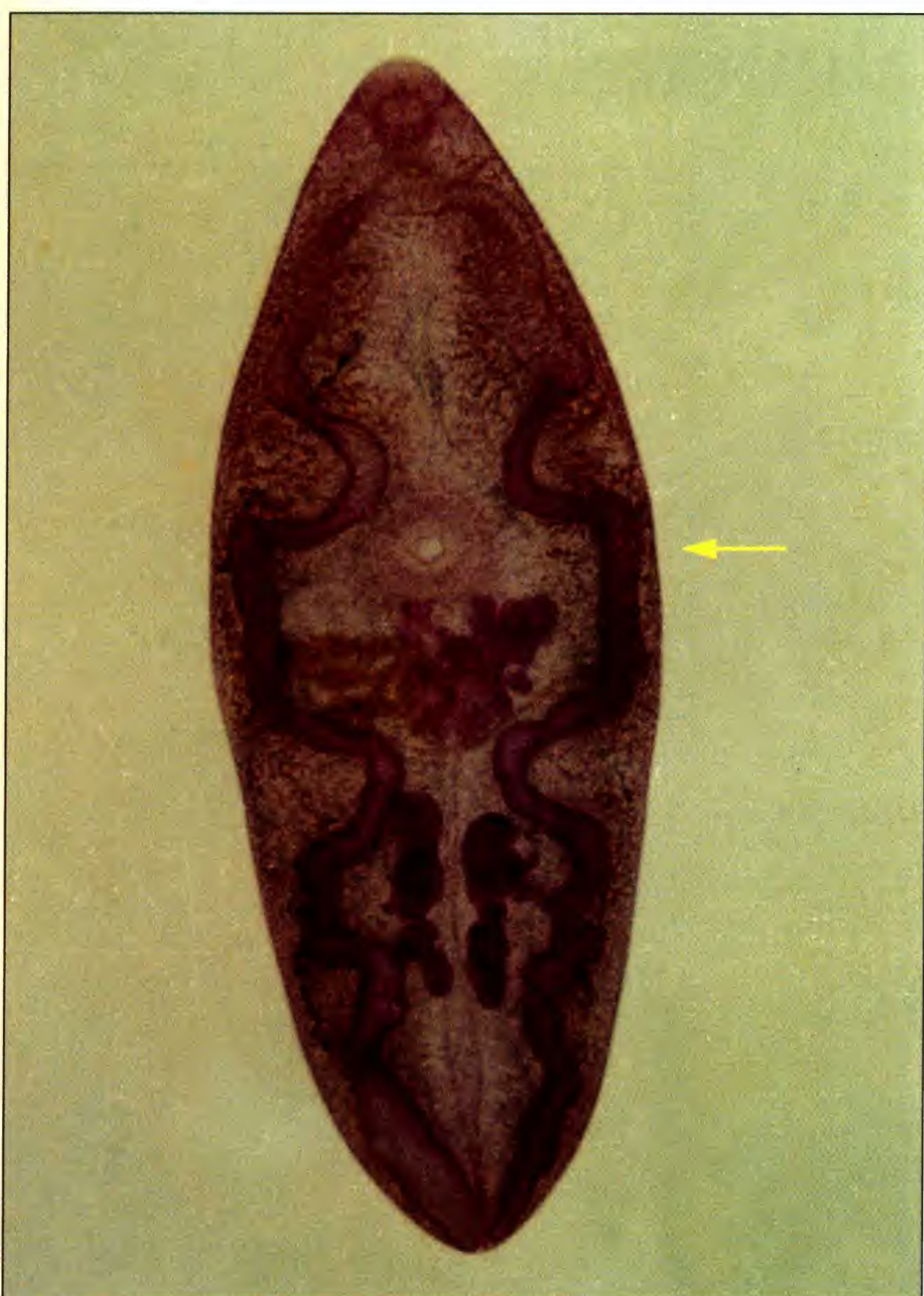


图59

图59 斯氏狸殖吸虫成虫
Adult of *Pagumgonimus skrjabini* (2)
← 腹吸盘 Ventral sucker
(卡红染色 Camine stain 6.3×2)

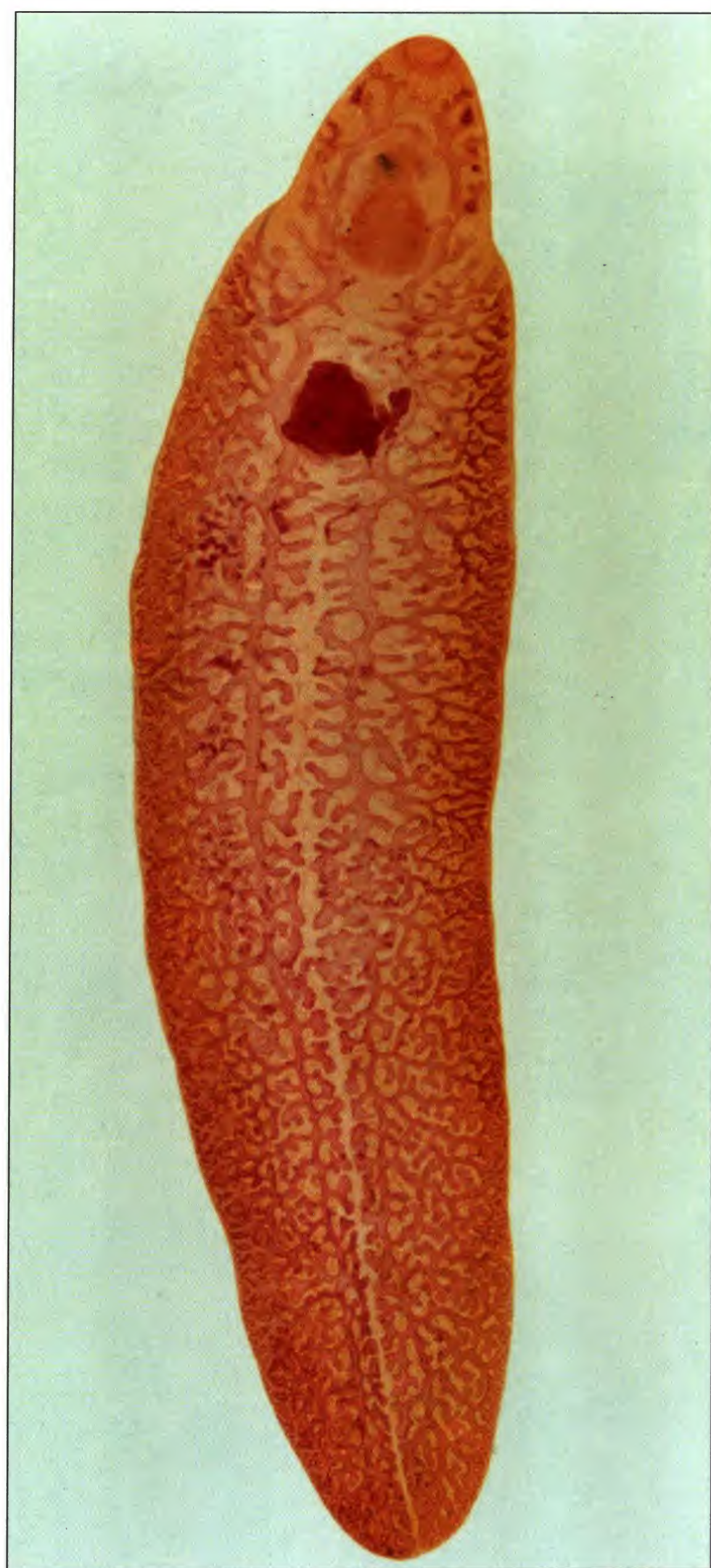


图61

图60 斯氏狸殖吸虫成虫 (活体)
Adults of *Pagumgonimus skrjabini*
(living specimen)
(自然色 Natural colour 1×1)

图61 肝片形吸虫
Adult of *Fasciola hepatica*
(卡红染色 Camine stain 6.3×2)

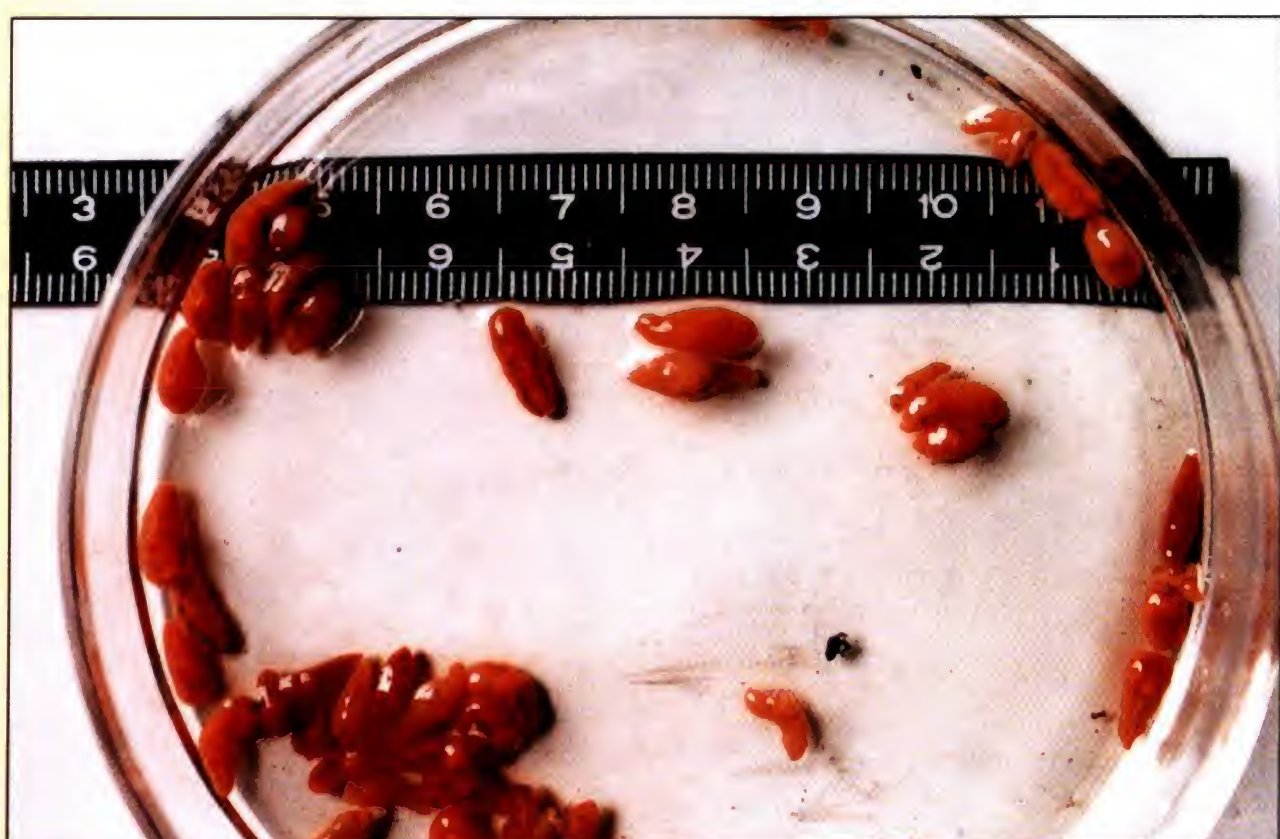


图60



图62

图62 日本血吸虫，雌虫与雄虫的合抱状态
Schistosoma japonicum, male and female in copula
 (卡红染色 Camine stain 6.3×1.6)



图63

图63 日本血吸虫雄虫
 Male worm of *Schistosoma japonicum*

← 口吸盘 Oral sucker
 ← 腹吸盘 Ventral sucker
 ← 睾丸 Testes

(卡红染色 Camine stain 6.3×4)

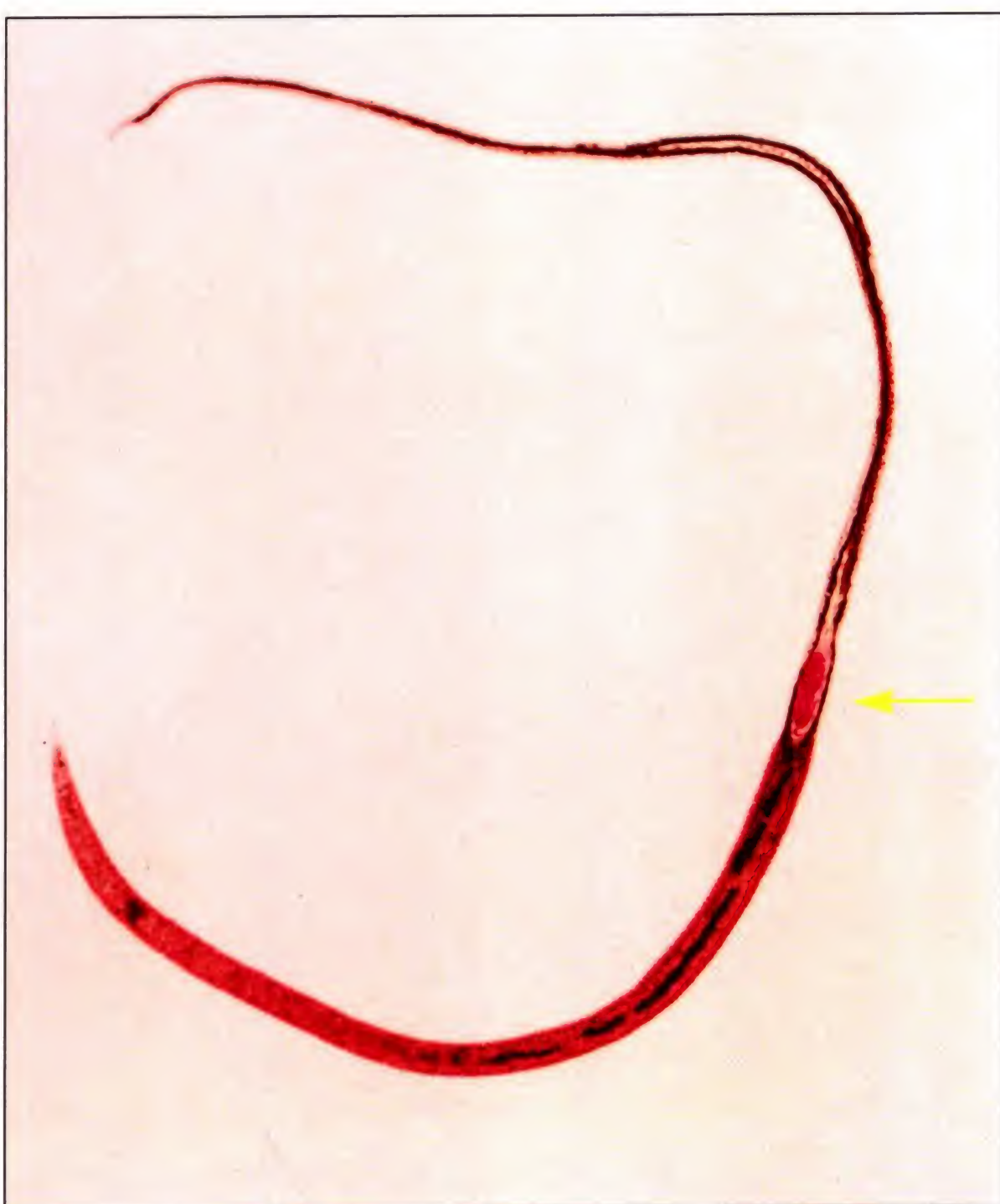


图64

图64 日本血吸虫雌虫
 Female worm of *Schistosoma japonicum*

← 卵巢 Ovary

(卡红染色 Camine stain 6.3×1.6)



图65

图65 华支睾吸虫成虫
Adults of *Clonorchis sinensis*
(自然色 Natural colour 1×1)



图66

图66 华支睾吸虫卵
Eggs of *Clonorchis sinensis*
—— 疣状突起 The knob
—— 卵盖、肩峰 Operculum, shoulders
(自然色 Natural colour 10×40)

图67 布氏姜片虫卵
Egg of *Fasciolopsis buski* (1)
(自然色 Natural colour 10×40)

图68 布氏姜片虫卵
Egg of *Fasciolopsis buski* (2)
—— 卵盖 Operculum
(自然色 Natural colour 10×40)

图68



图67





图69 肺吸虫卵

Egg of *Paragonimus*

金黄色 Golden

← 卵盖明显在宽端 A prominent operculum at the broad end (自然色 Natural colour 10×40)

图69



图70

图70 日本血吸虫卵

Egg of *Schistosoma japonicum*

← 侧棘 Lateral spine

(自然色 Natural colour 10×40)

图71 华支睾吸虫囊蚴 (活体)

Encysted metacercaria of *Clonorchis sinensis* (living specimen) (1) (自然色 Natural colour 10×4)

图72 华支睾吸虫囊蚴 (活体)

Encysted metacercaria of *Clonorchis sinensis* (living specimen) (2) (自然色 Natural colour 10×20)



图71



图72



图73

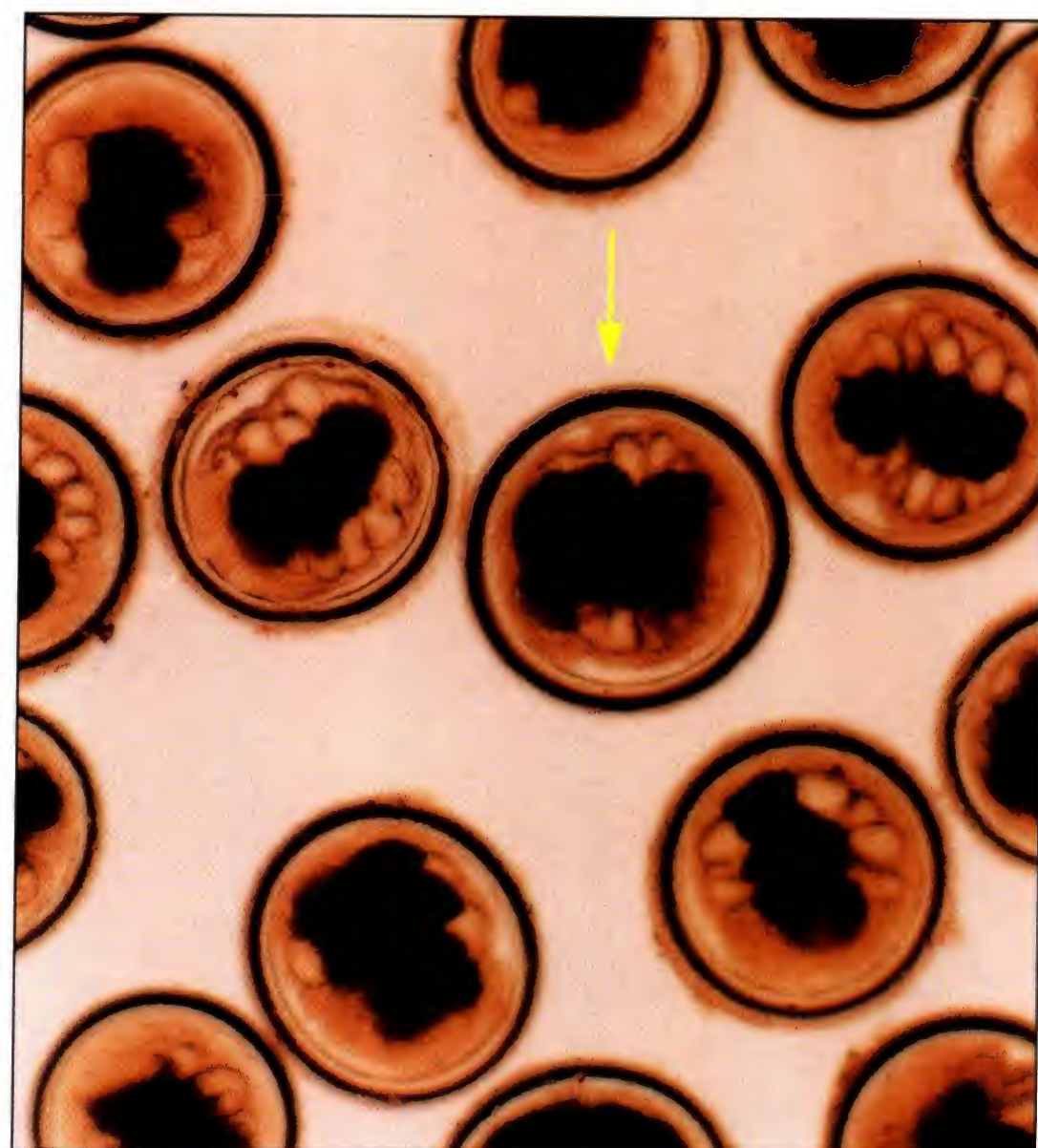


图74

图73 并殖吸虫中间宿主

Intermediate host of *Paragonimus*

川卷螺 Mallaniid snails

溪蟹 *Potamon* sp.(crab)

(自然色 Natural colour 1×1)

图74 斯氏狸殖吸虫囊蚴 (活体)

Encysted metacercaria of *Pagumgonimus skrjabini* (living specimen)

(自然色 Natural colour 10×10)

图75 斯氏狸殖吸虫囊蚴

Encysted metacercaria of *Pagumgonimus skrjabini*

(卡红染色 Carmine stain 10×40)

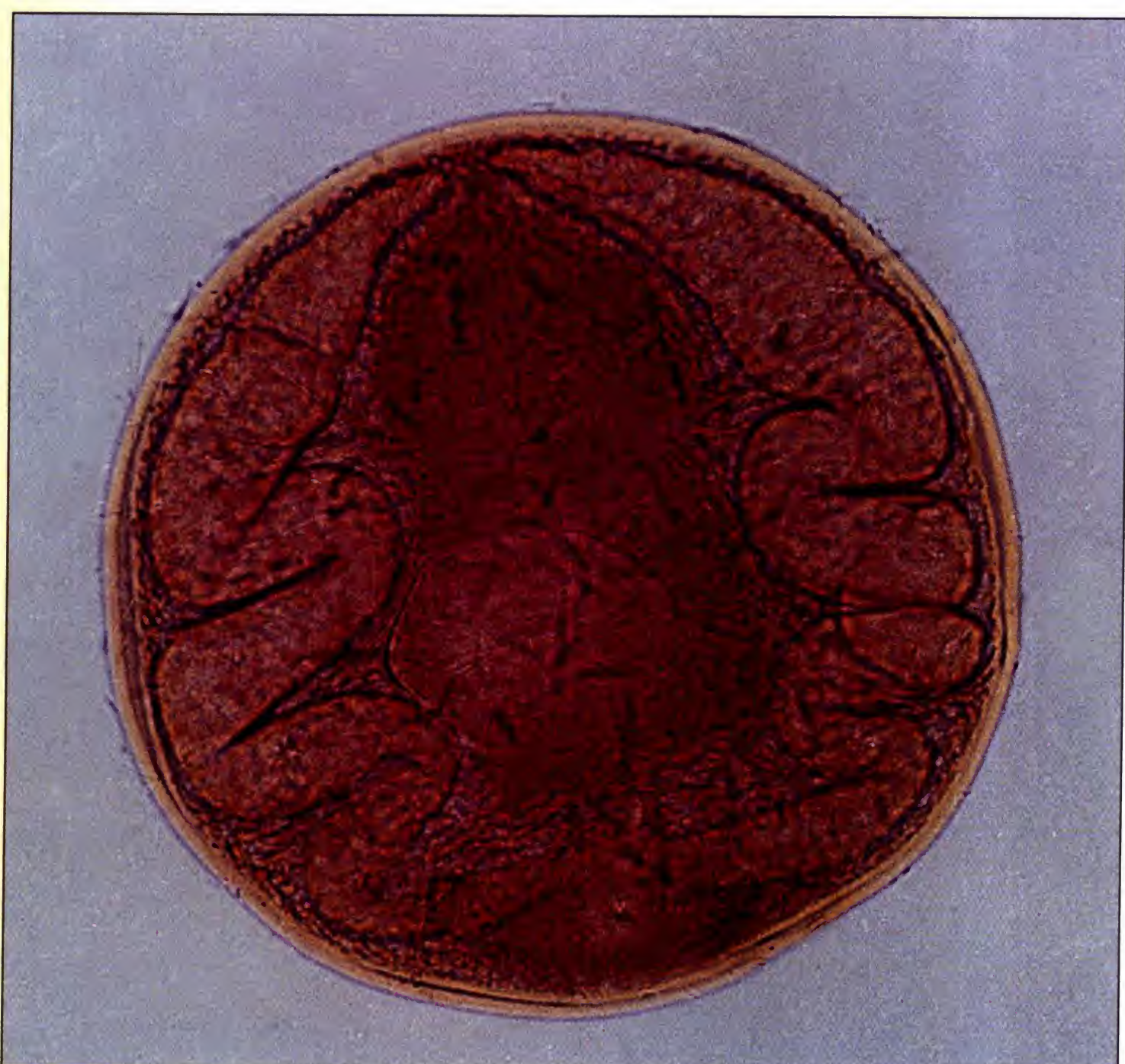


图75



图76

图76 日本血吸虫尾蚴

Cercaria of Schistosoma japonicum (1)

(席氏染色 Schiff stain 10 × 40)



图77

图77 日本血吸虫尾蚴

Cercaria of Schistosoma japonicum (2)

(卡红染色 Camine stain 10 × 40)

图78



图78 日本血吸虫毛蚴

Miracidium of Schistosoma japonicum (1)

(自然色 Natural colour 10 × 40)



图79 日本血吸虫毛蚴

Miracidium of Schistosoma japonicum (2)

(卡红染色 Camine stain 10 × 40)

图79



图80 日本血吸虫子胞蚴
Second-generation sporocyst of *Schistosoma japonicum*
(卡红染色 Camine stain 10×4)



图82



图81

图81 斯氏狸殖吸虫尾蚴
Cercaria of Pagumgonimus skrjabini
(卡红染色 Camine stain 10×40)

图82 斯氏狸殖吸虫雷蚴
Redia of Pagumgonimus skrjabini
(卡红染色 Camine stain 10×4)

图83 华支睾吸虫成虫寄生于肝胆管切片
Section of adult of *Clonorchis sinensis*
in liver bile duct
(苏木素和伊红染色 Hematoxylin and eosin stain 10×4)

图83



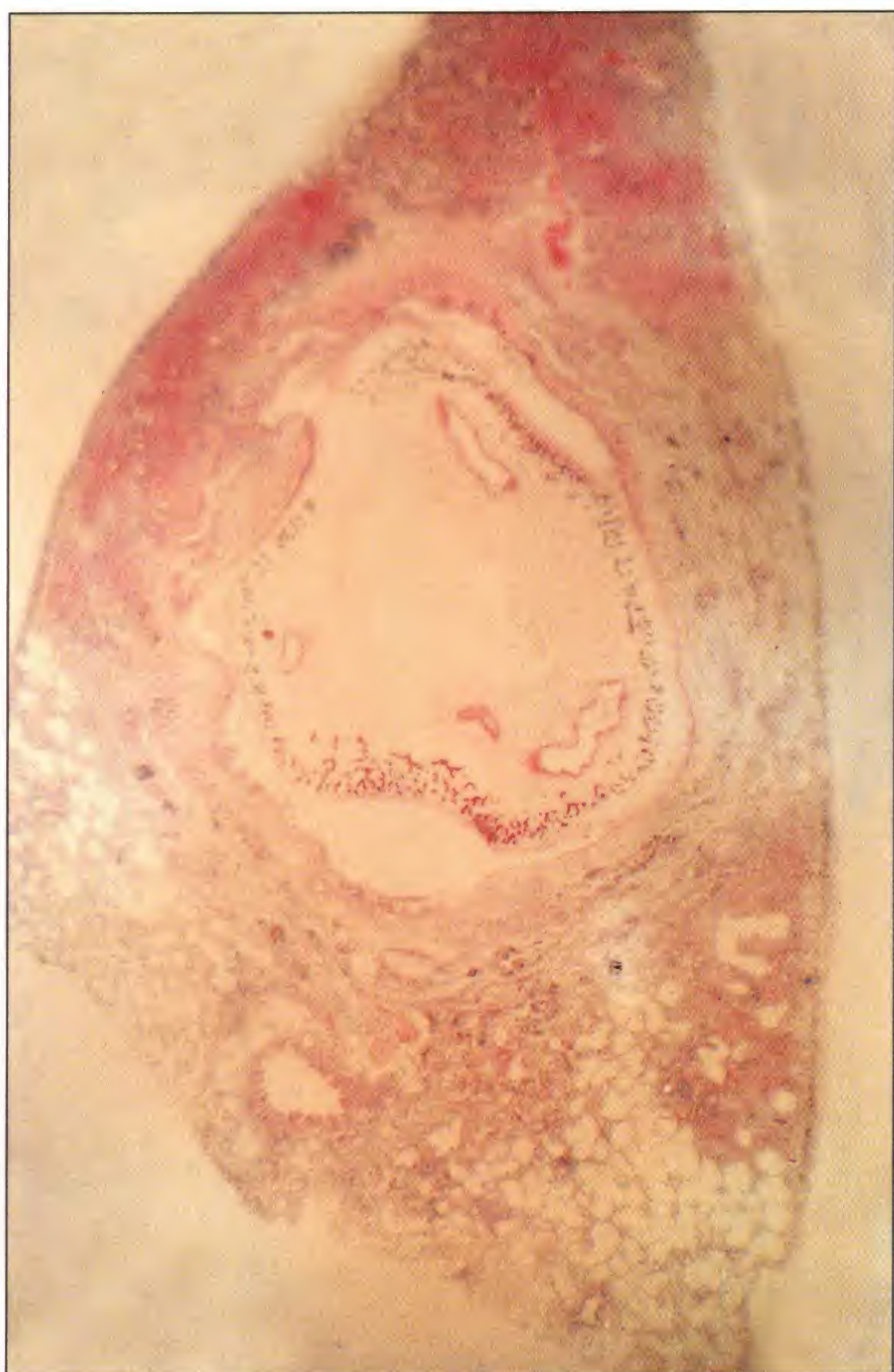


图84

图84 肺吸虫寄生的肺组织切片
Section of adult of *Paragonimus* in lung tissue
(苏木素和伊红染色 Hematoxylin and eosin stain 10×4)

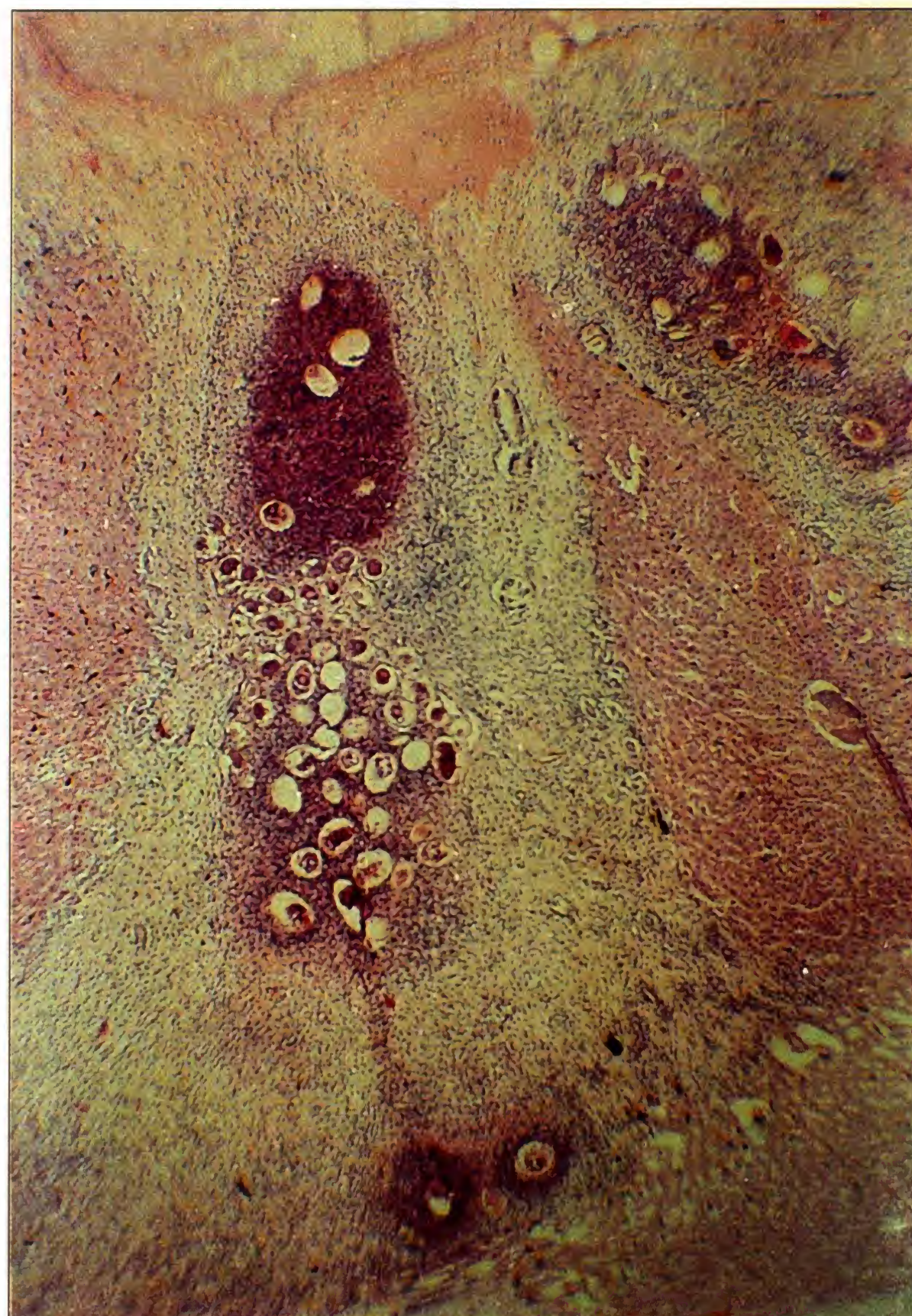


图85

图85 肝组织内的日本血吸虫虫卵肉芽肿切片
Section of eggs granuloma of *Schistosoma japonicum* in liver tissue
(苏木素和伊红染色 Hematoxylin and eosin stain 10×4)

图86 牛带绦虫成虫
Adults of *Taenia saginata* (1)



图86

图87 牛带绦虫成虫
Adult of *Taenia saginata* (2)



图87

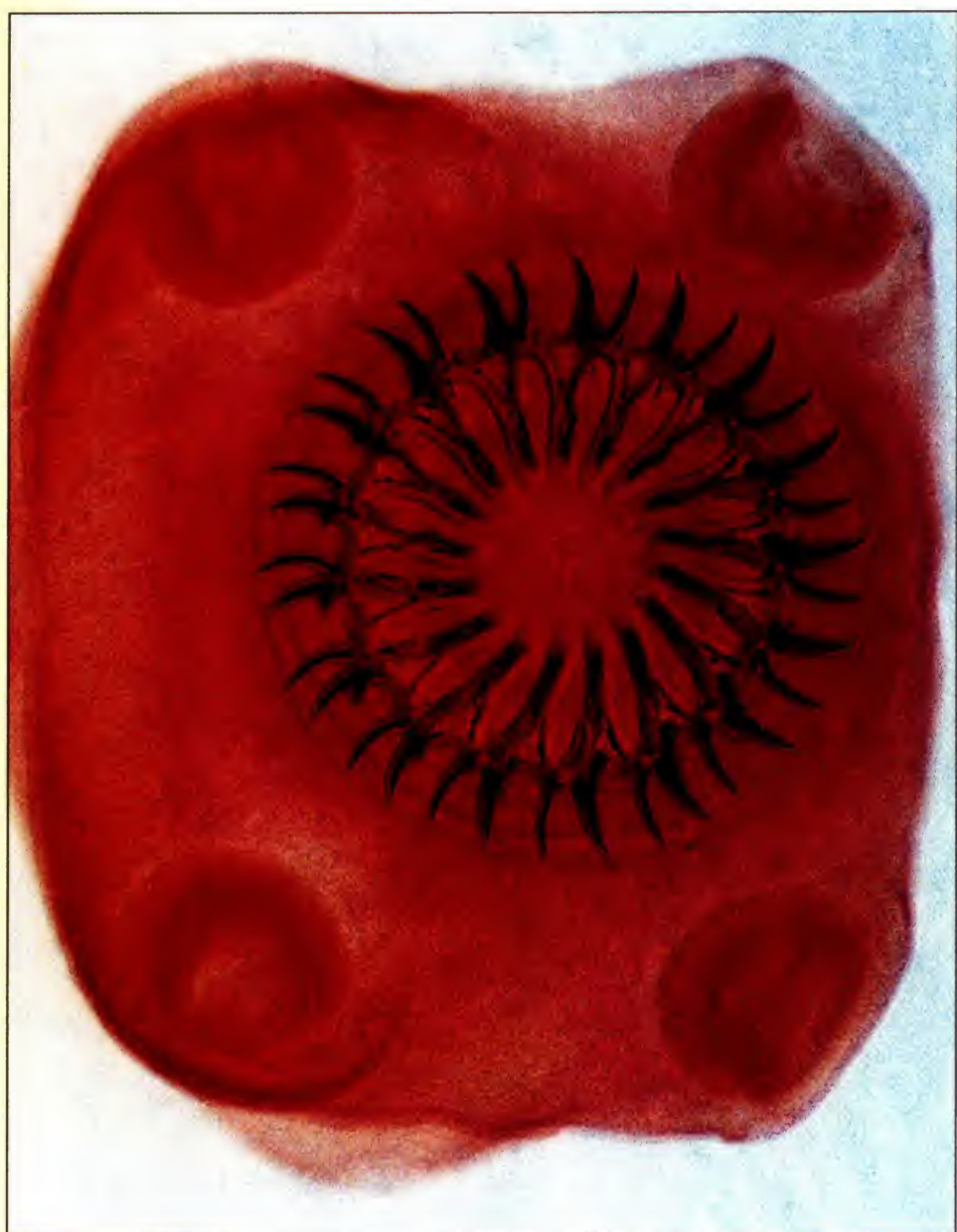


图88



图89

图88 猪带绦虫头节
Scolex of *Taenia solium* (1)
(卡红染色 Camine stain 10×10)

图89 猪带绦虫头节
Scolex of *Taenia solium* (2)
(卡红染色 Camine stain 10×10)

图90 猪带绦虫头节
Scolex of *Taenia solium* (3)
(卡红染色 Camine stain 10×10)

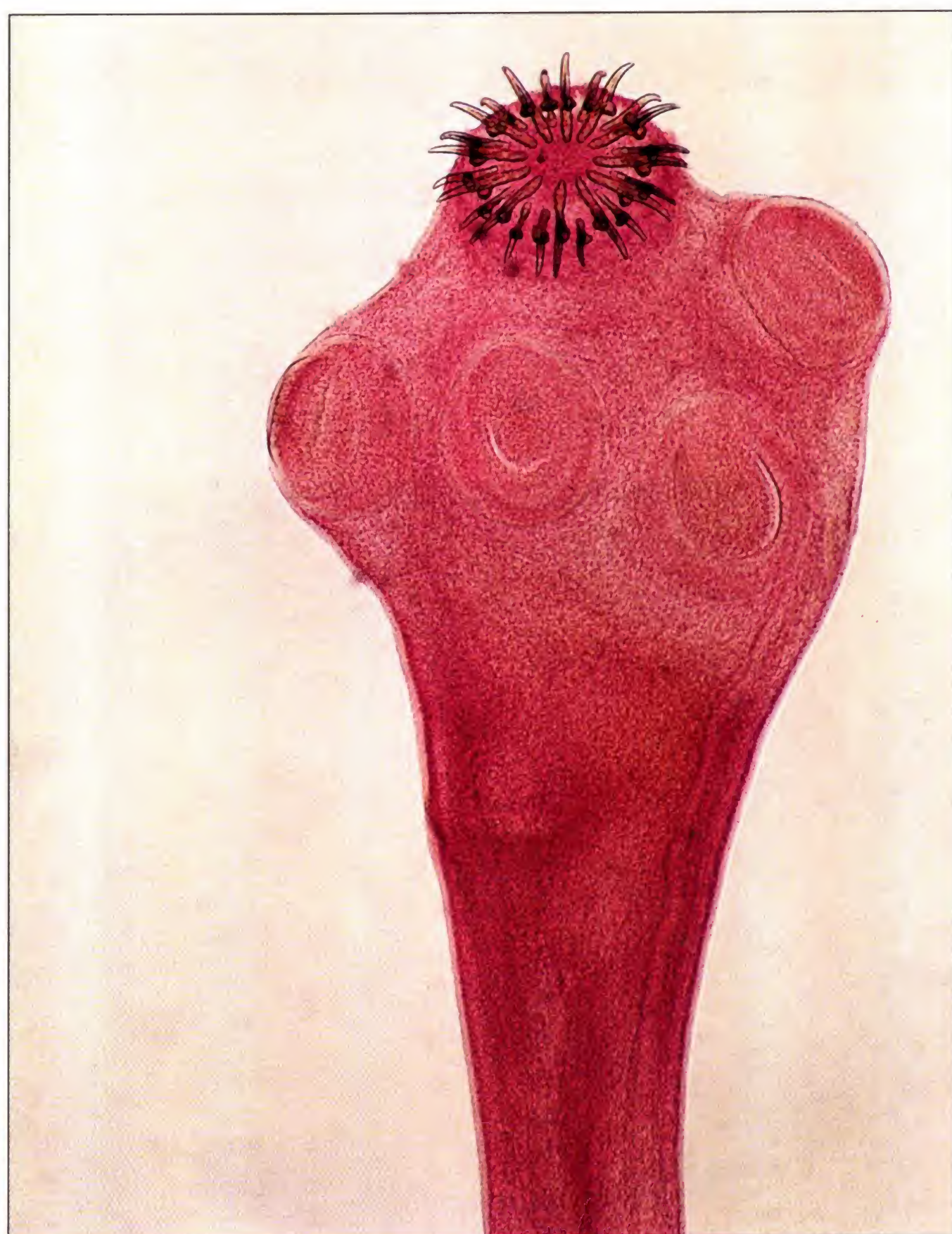


图90

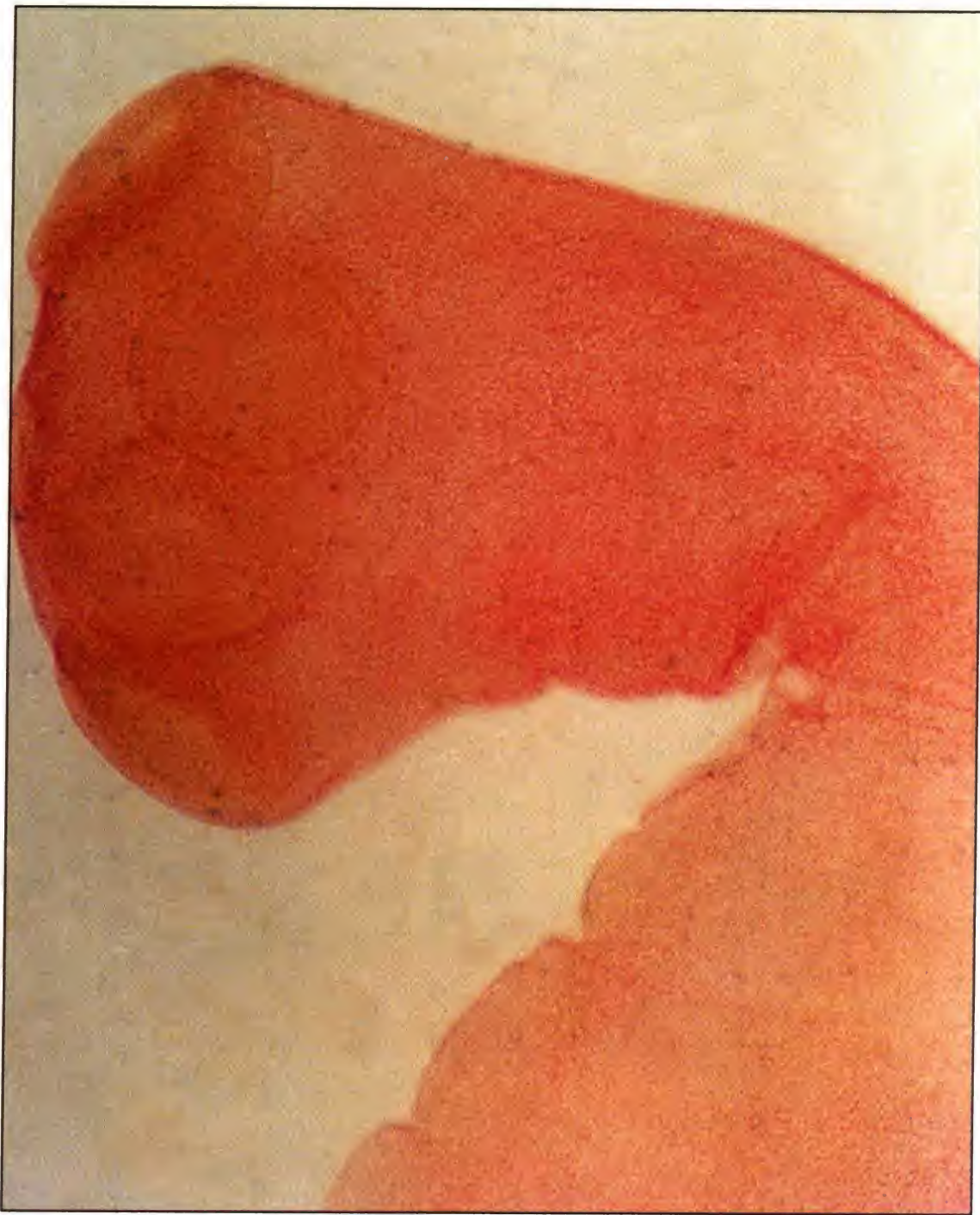


图91

图91 牛带绦虫头节
Scolex of *Taenia saginata* (1)
(卡红染色 Camine stain 10×10)

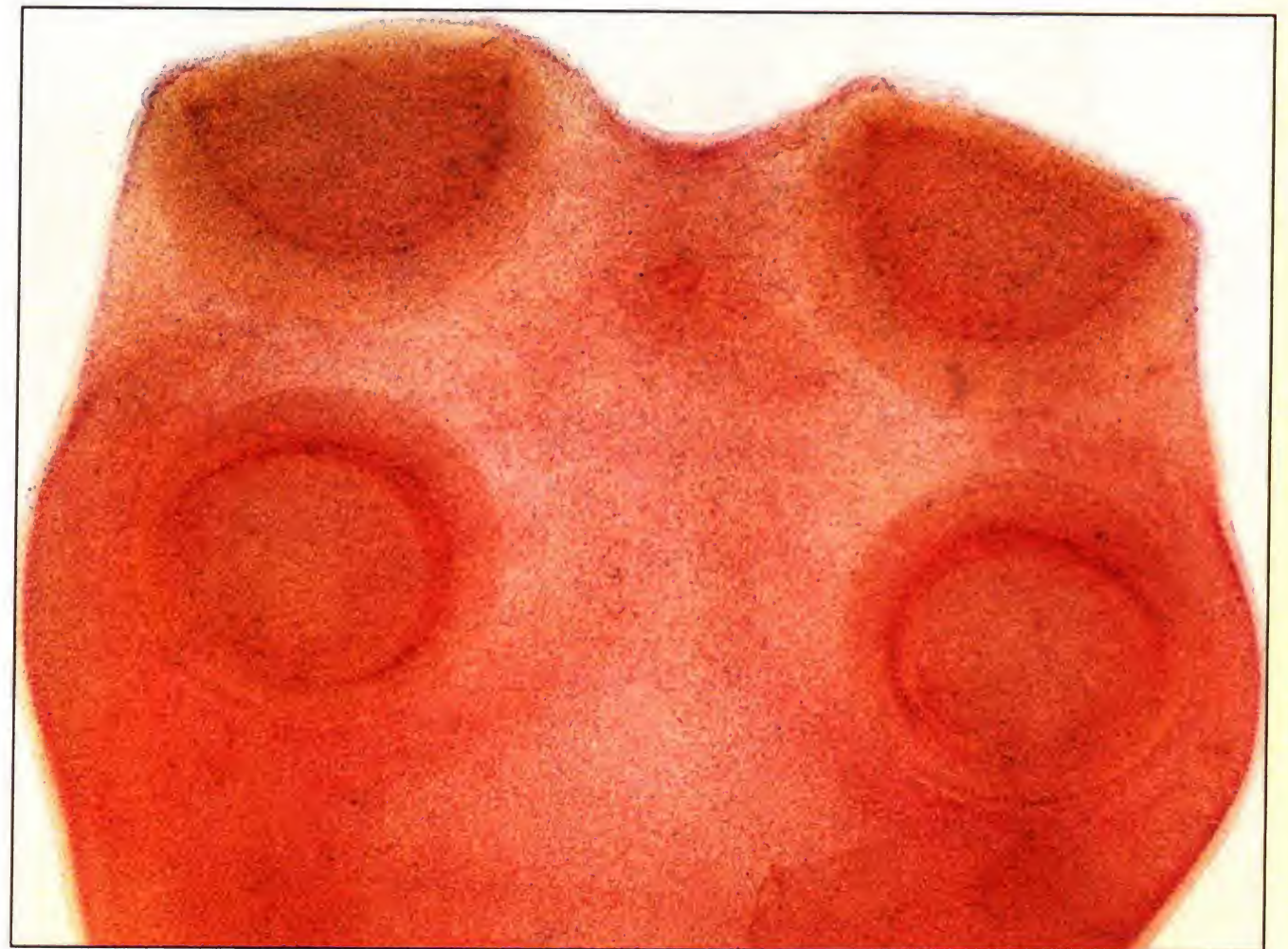


图92

图92 牛带绦虫头节
Scolex of *Taenia saginata* (2)
(卡红染色 Camine stain 10×10)

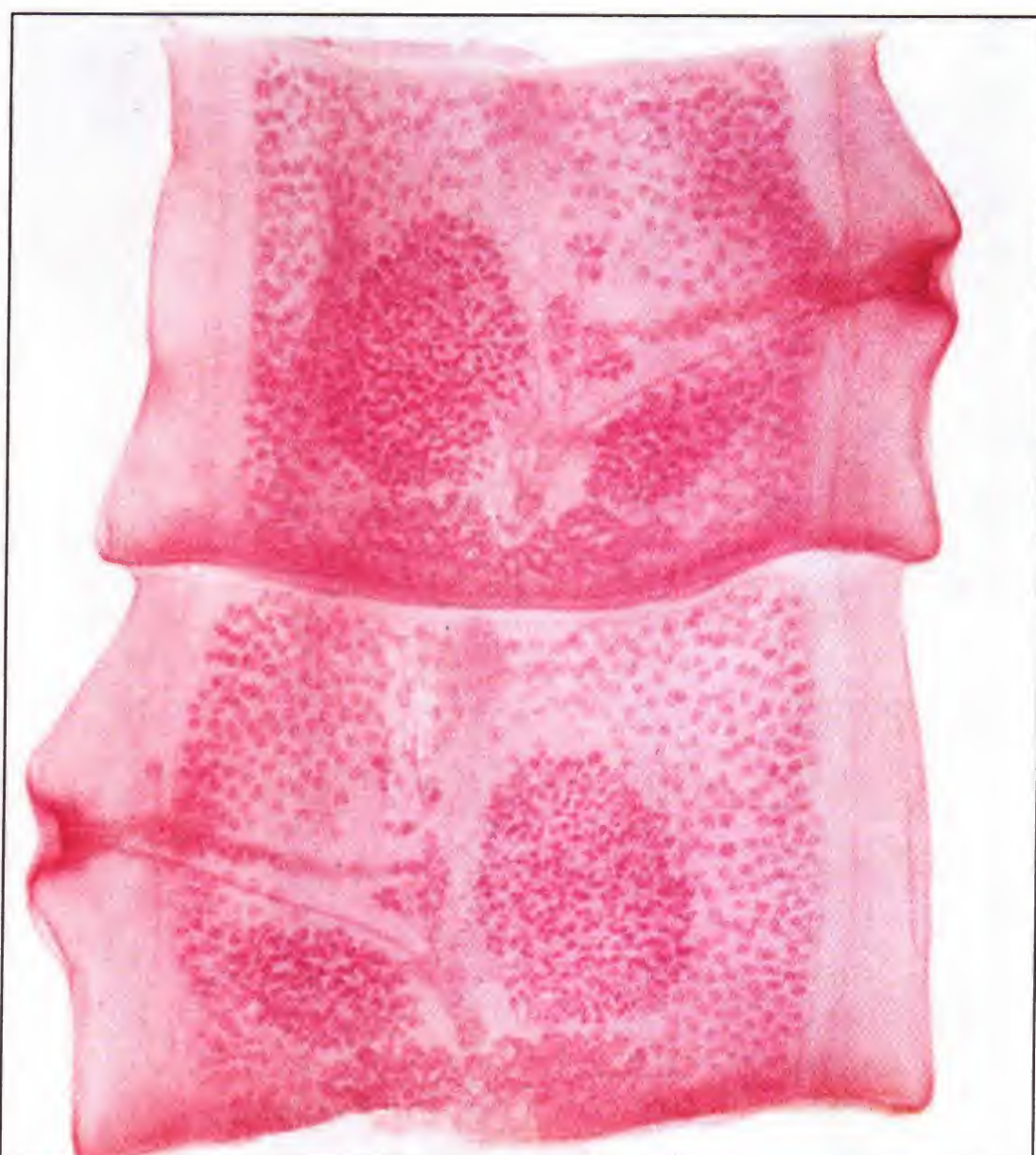


图93

图93 猪带绦虫成节
Mature proglottids of *Taenia solium*
(卡红染色 Camine stain 6.3×2.5)

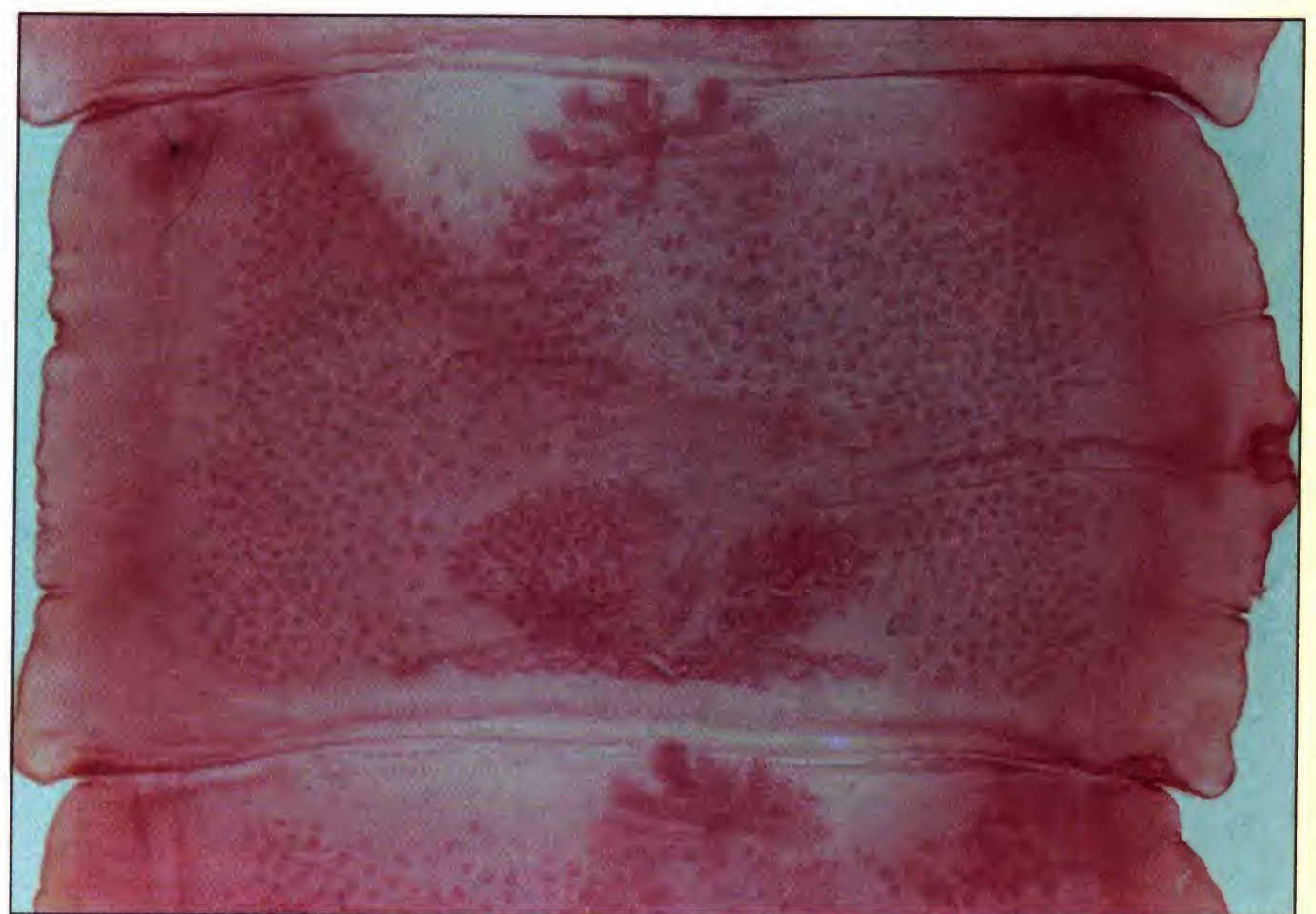


图94

图94 牛带绦虫成节
Mature proglottid of *Taenia saginata*
(卡红染色 Camine stain 6.3×2.5)



图95

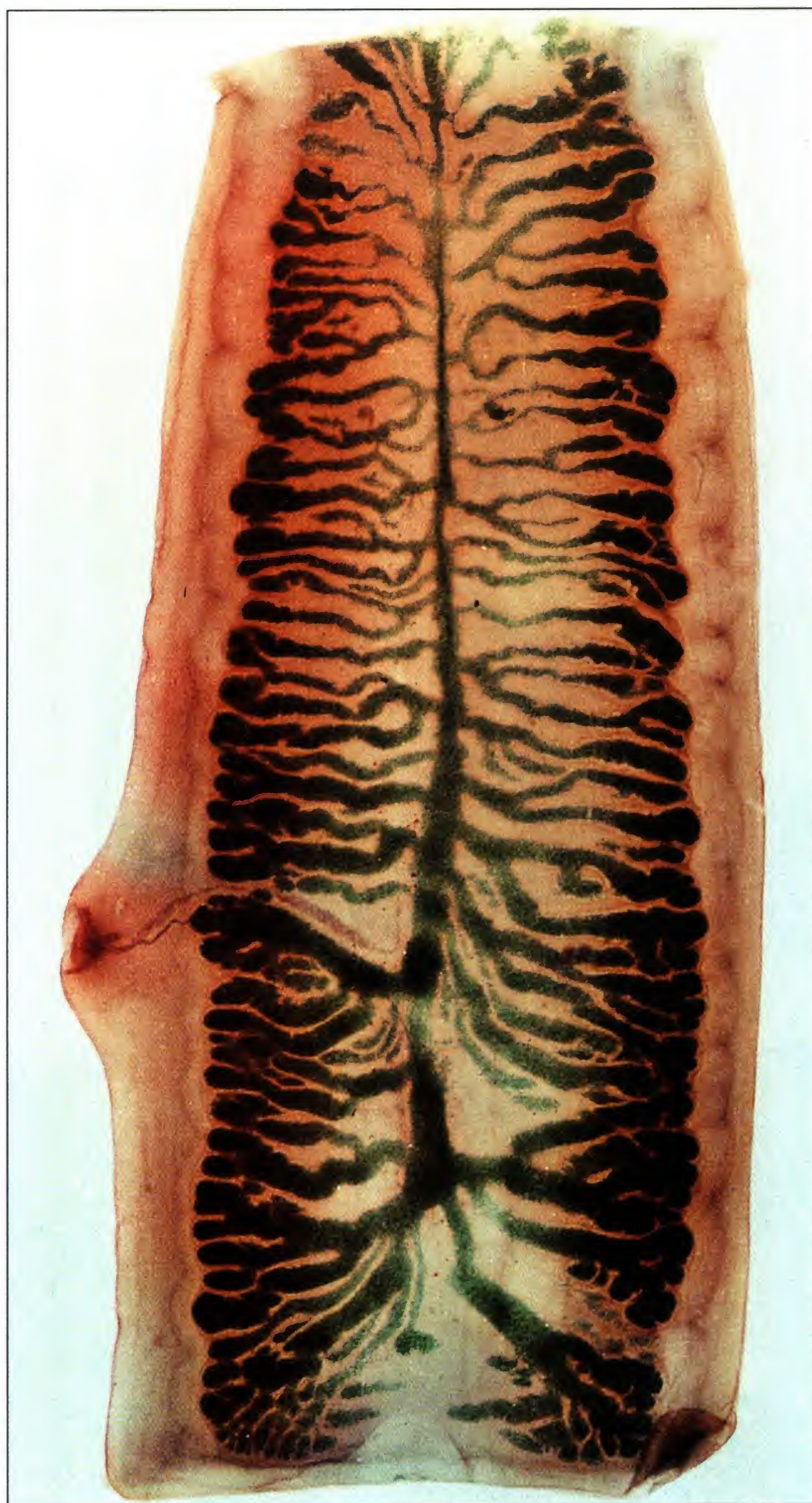


图96

图95 猪带绦虫孕节

Gravid proglottid of *Taenia solium*

(卡红染色 Camine stain 6.3×1.6)

图96 牛带绦虫孕节

Gravid proglottid of *Taenia saginata*

(墨汁和卡红染色 Ink and camine stain 6.3×0.63)

图97 猪囊尾蚴

Cysticercus cellulosae

(卡红染色 Camine stain 6.3×1.6)

图97



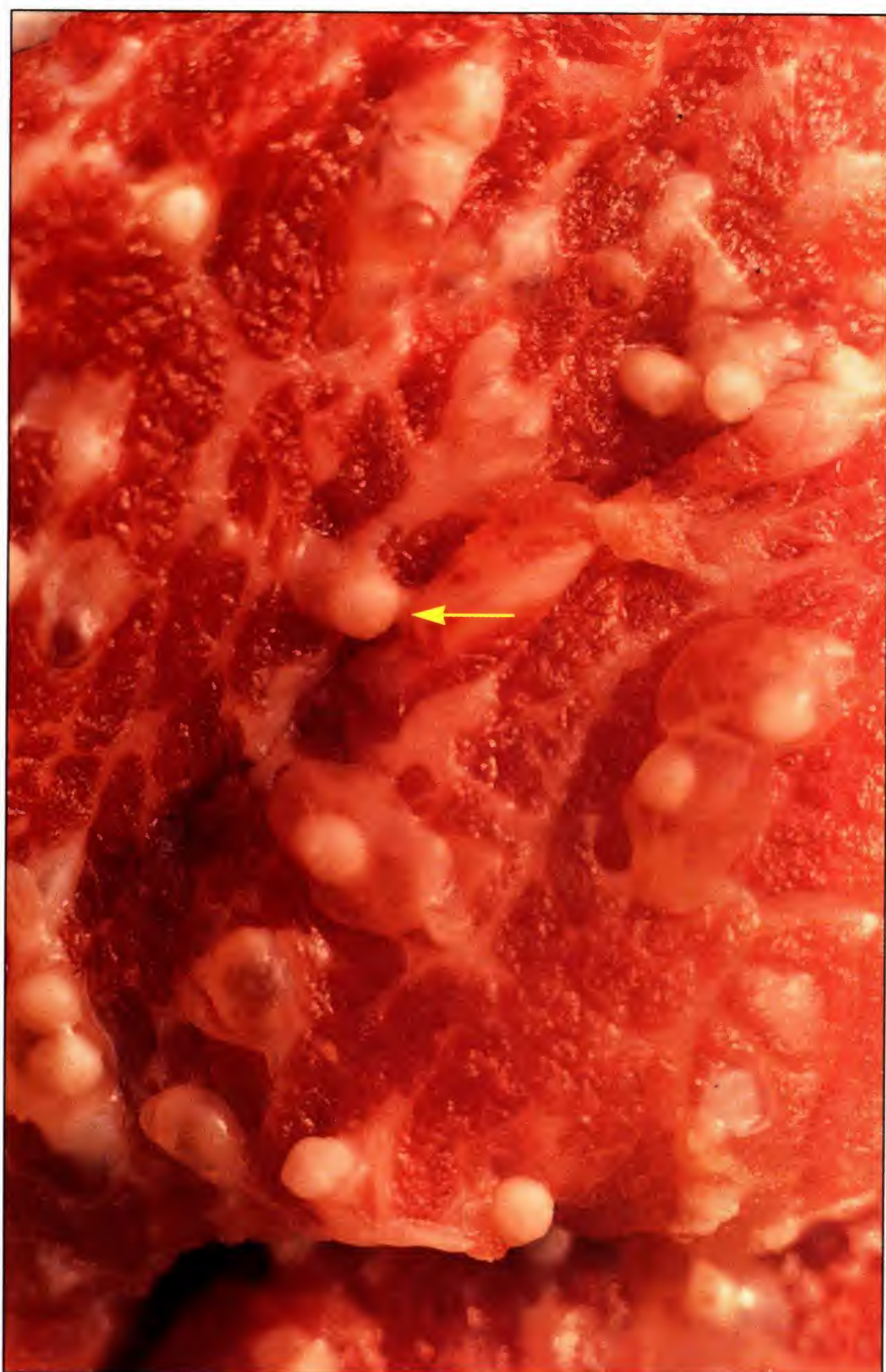


图98

图98 猪囊尾蚴寄生的猪肉
Pig muscle infected with *Cysticercus cellulosae*
← 猪囊尾蚴 *Cysticercus cellulosae*
(自然色 Natural colour 1×1)



图99

图99 带绦虫卵
Eggs of tapeworm
(自然色 Natural colour 10×40)

图100 细粒棘球绦虫成虫
Adult of *Echinococcus granulosus*
(卡红染色 Camine stain 6.3×4)



图100

图101 细粒棘球绦虫头节
Scolex of *Echinococcus granulosus*
(卡红染色 Camine stain 10×20)

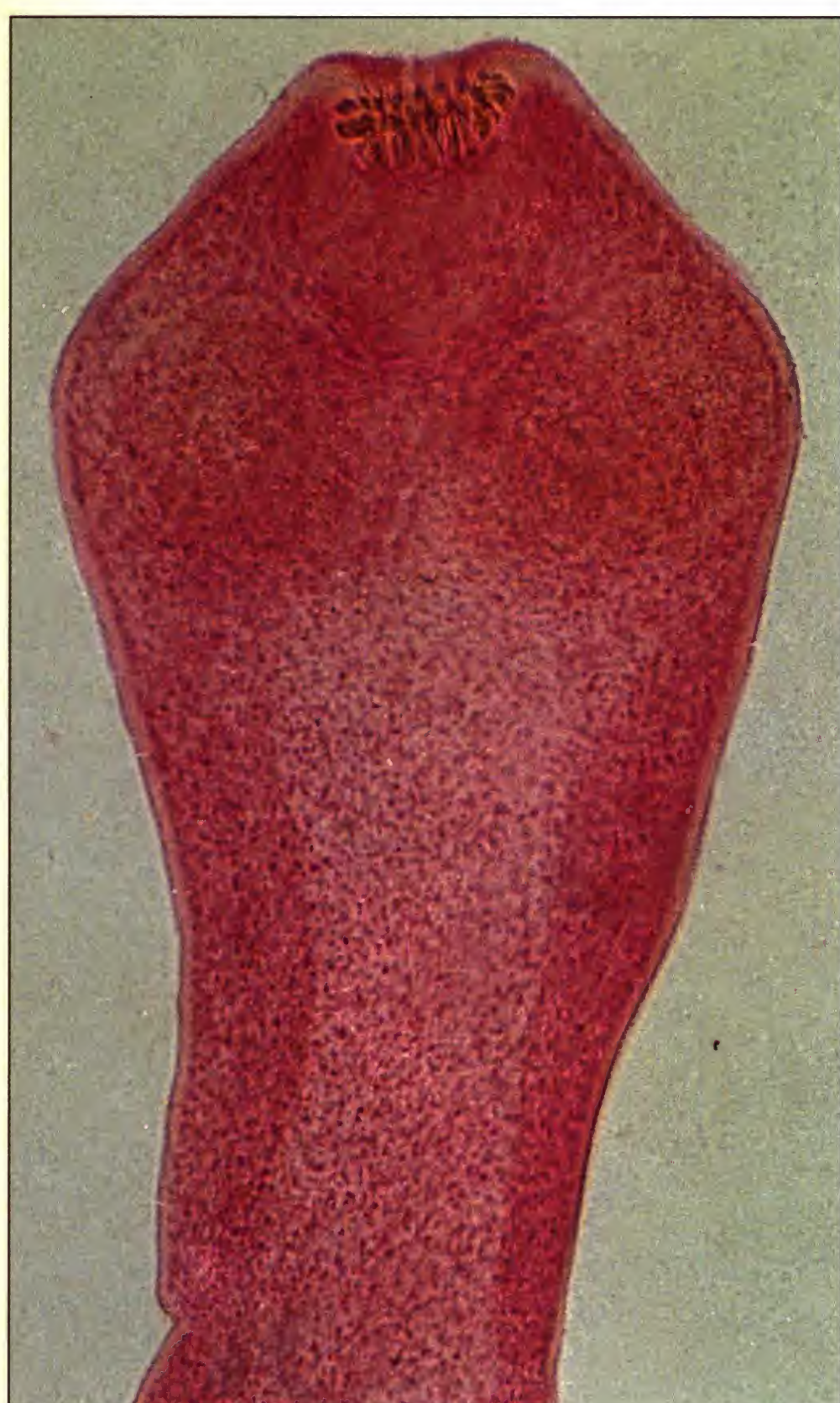


图101



图102

图102 细粒棘球绦虫棘球蚴砂
Hydatid sand of *Echinococcus granulosus*
—— 原头节 Protoscolex
(卡红染色 Camine stain 10×10)

图103 细粒棘球绦虫棘球蚴切片
Section of hydatid cyst of *Echinococcus granulosus* (1)
—— 生发囊 Brood capsule
(苏木素和伊红染色 Hematoxylin and eosin stain 10×10)

图104 细粒棘球绦虫棘球蚴切片
Section of hydatid cyst of *Echinococcus granulosus* (2)
(苏木素和伊红染色 Hematoxylin and eosin stain 10×10)



图103

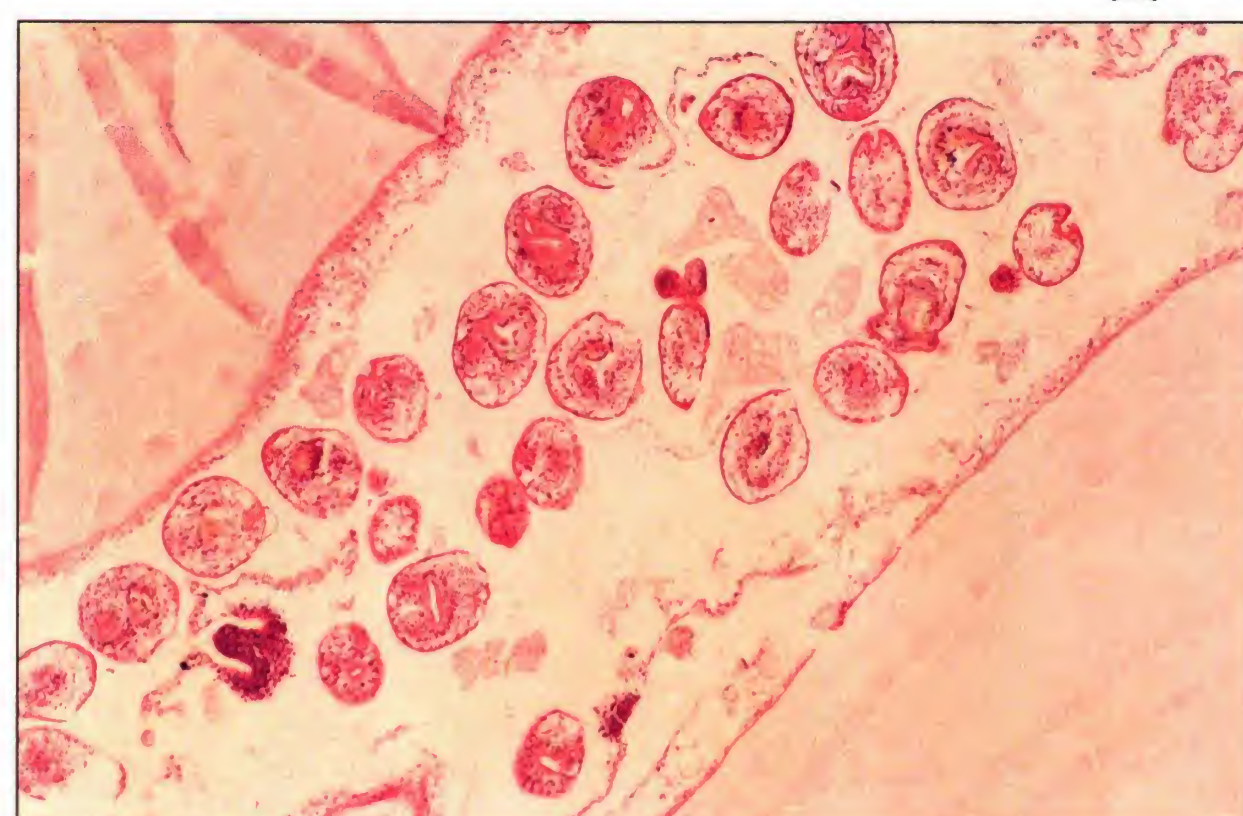


图104



图105

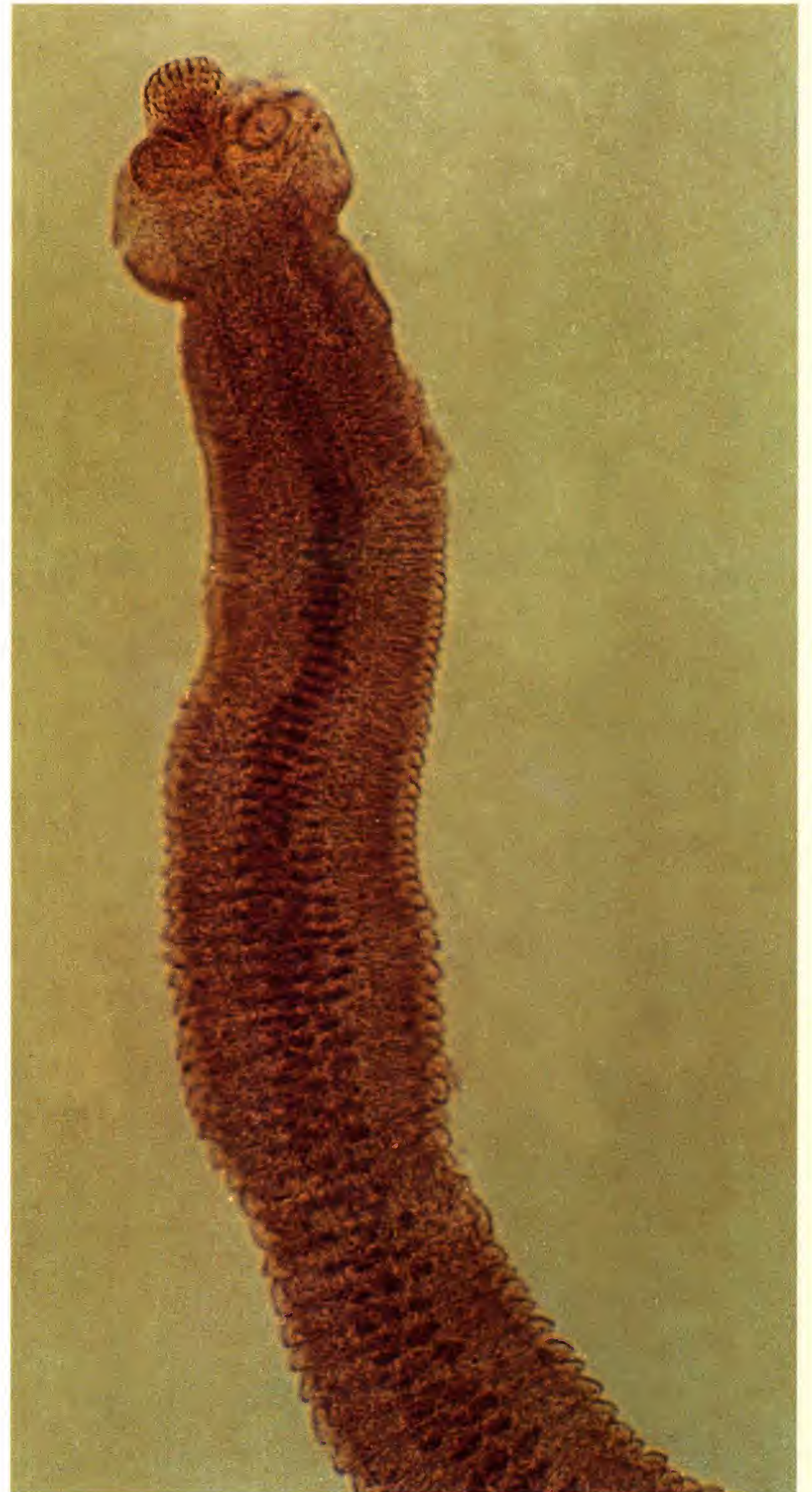


图106



图107

图105 微小膜壳绦虫成虫
Adult of *Hymenolepis nana*
(卡红染色 Camine stain 6.3×0.63)

图106 微小膜壳绦虫头节
Scolex of *Hymenolepis nana*
(卡红染色 Camine stain 10×10)

图107 微小膜壳绦虫卵
Egg of *Hymenolepis nana*
(自然色 Natural colour 10×40)



图108

图108 曼氏迭宫绦虫头节

Scolex of *Spirometra mansoni*

← 吸槽 Groove

(考马斯亮蓝染色 Coomassie brilliant blue stain 10×10)

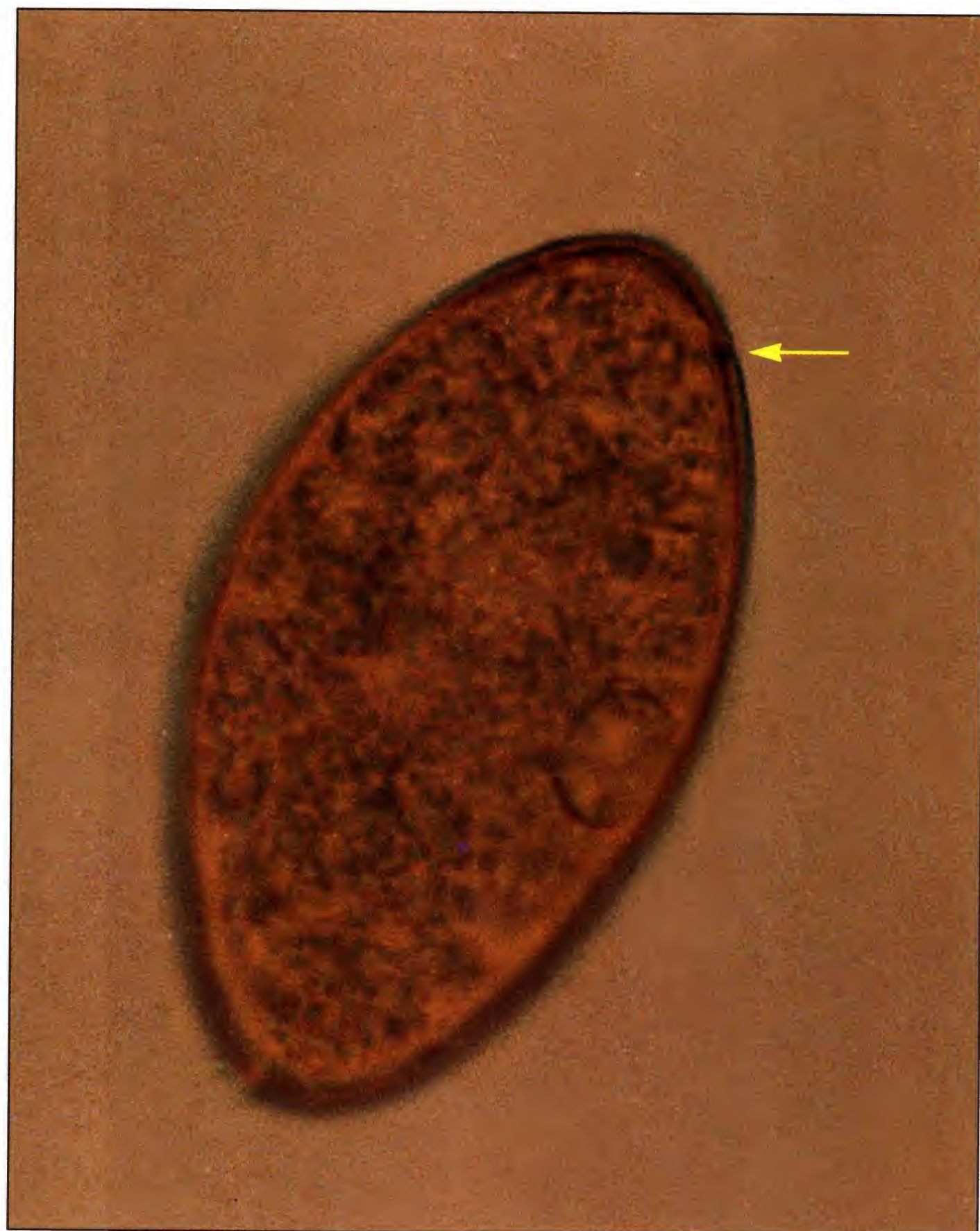


图109

图109 曼氏迭宫绦虫卵

Egg of *Spirometra mansoni*

浅灰褐色 Light gray-brown

← 卵盖在小端 Operculum at the narrow end

(自然色 Natural colour 10×40)

图110 肺吸虫卵

Egg of *Paragonimus*

金黄色 golden

← 卵盖明显在宽端 A prominent operculum at the broad end

(自然色 Natural colour 10×40)



图110

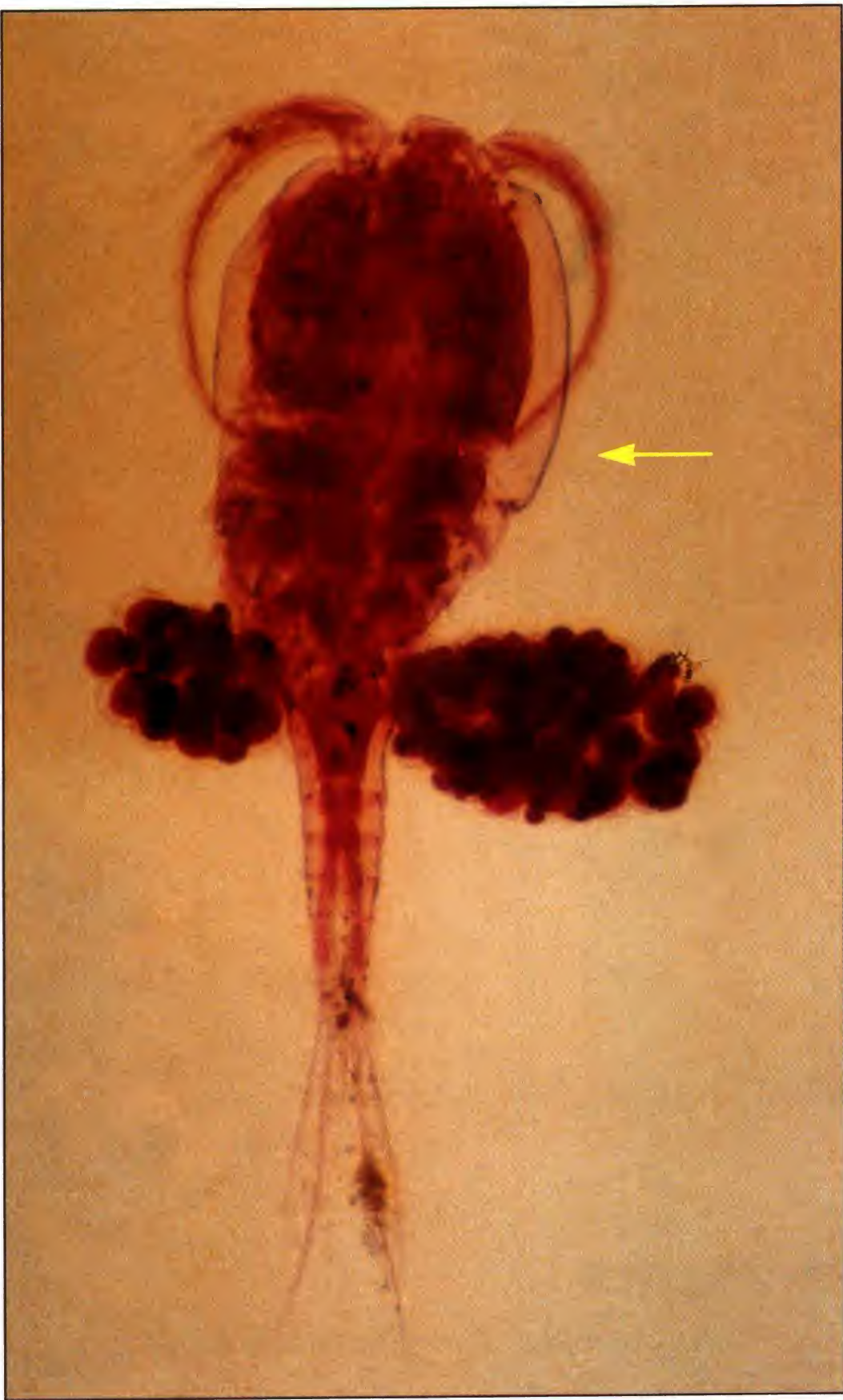


图111

图111 剑水蚤

Cyclops coronatus

← 曼氏迭宫绦虫第一中间宿主 The first intermediate host of *Spirometra mansoni*

(卡红染色 Camine stain 10×4)

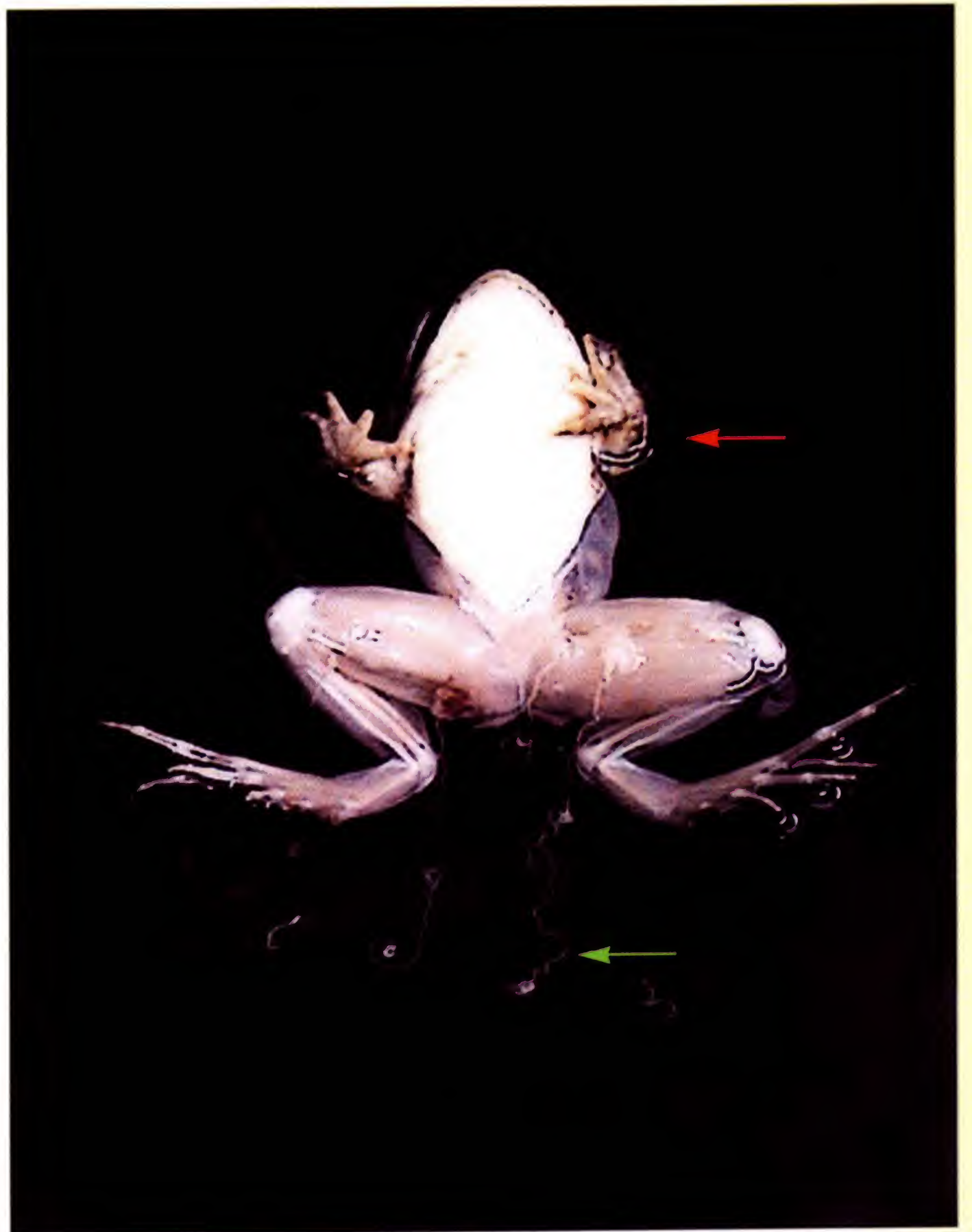


图112

图112 曼氏迭宫绦虫裂头蚴寄生于蛙 (活体)
Plerocercoid of *Spirometra mansoni* in frog (living specimen)

← 曼氏迭宫绦虫第二中间宿主 The second intermediate host of *Spirometra mansoni*

← 曼氏裂头蚴 Plerocercoid of *Spirometra mansoni*

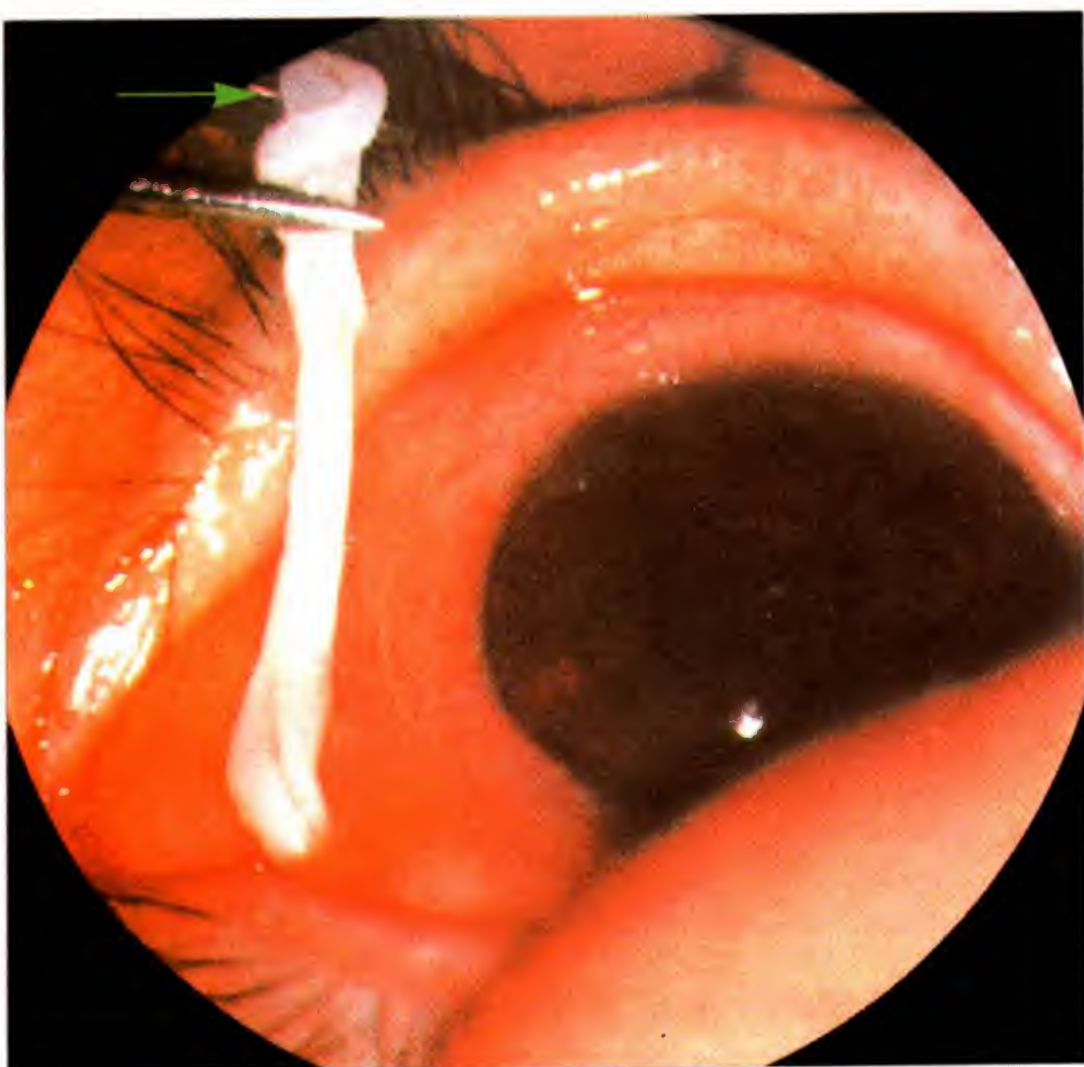


图113

图113 眼裂头蚴病

Sparganosis of eye

← 曼氏迭宫绦虫裂头蚴寄生于眼结膜
Plerocercoid of *Spirometra mansoni* in the eye conjunctival site



图114

图114 儿童似蚓蛔线虫（蛔虫）重度感染
Massive *Ascaris lumbricoides* infection in a child



图115

图115 蛔虫唇瓣

Lips of adult *Ascaris lumbricoides*
(卡红染色 Carmine stain 10×10)



图116

图116 蛔虫横切面

Transversely dissected worm of
Ascaris lumbricoides
(苏木素和伊红染色 Hematoxylin
and eosin stain 10×4)

图117 蛔虫受精卵

Fertilized egg of *Ascaris lumbricoides*
(自然色 Natural colour 10×40)



图117



图118

图118 蛔虫未受精卵
Unfertilized egg of
Ascaris lumbricoides
(自然色 Natural colour
10×40)

图119 蛔虫感染期卵
Infective egg of *Ascaris lumbricoides*
← 含蚴卵 Contains
an infective larva
(自然色 Natural colour
10×40)

图120 蛔虫脱蛋白膜卵
Decorticated eggs of
Ascaris lumbricoides
← 无外层蛋白膜 The
external mammillated
layer is absent.
(自然色 Natural colour
10×40)



图119



图120

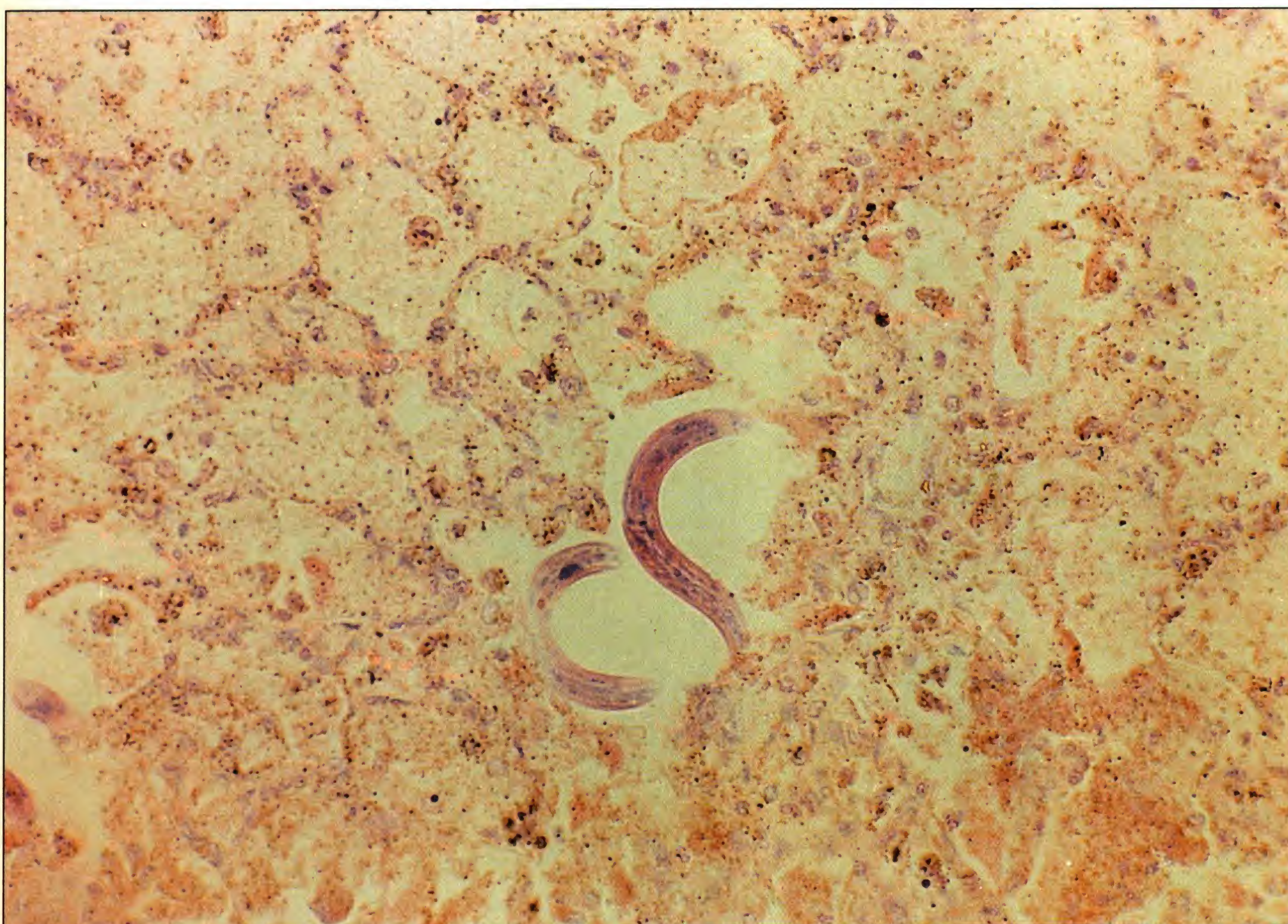


图121

图121 肺泡组织中的蛔虫幼虫

Larva of *Ascaris lumbricoides* in the alveolar tissues of lung

(苏木素和伊红染色 Hematoxylin and eosin stain 10×4)

图122



图122 毛首鞭形线虫（鞭虫）成虫

Adults of *Trichuris trichiura*

图123 鞭虫雄虫

Male worm of *Trichuris trichiura*

(卡红染色 Camine stain 6.3×1.6)

图123



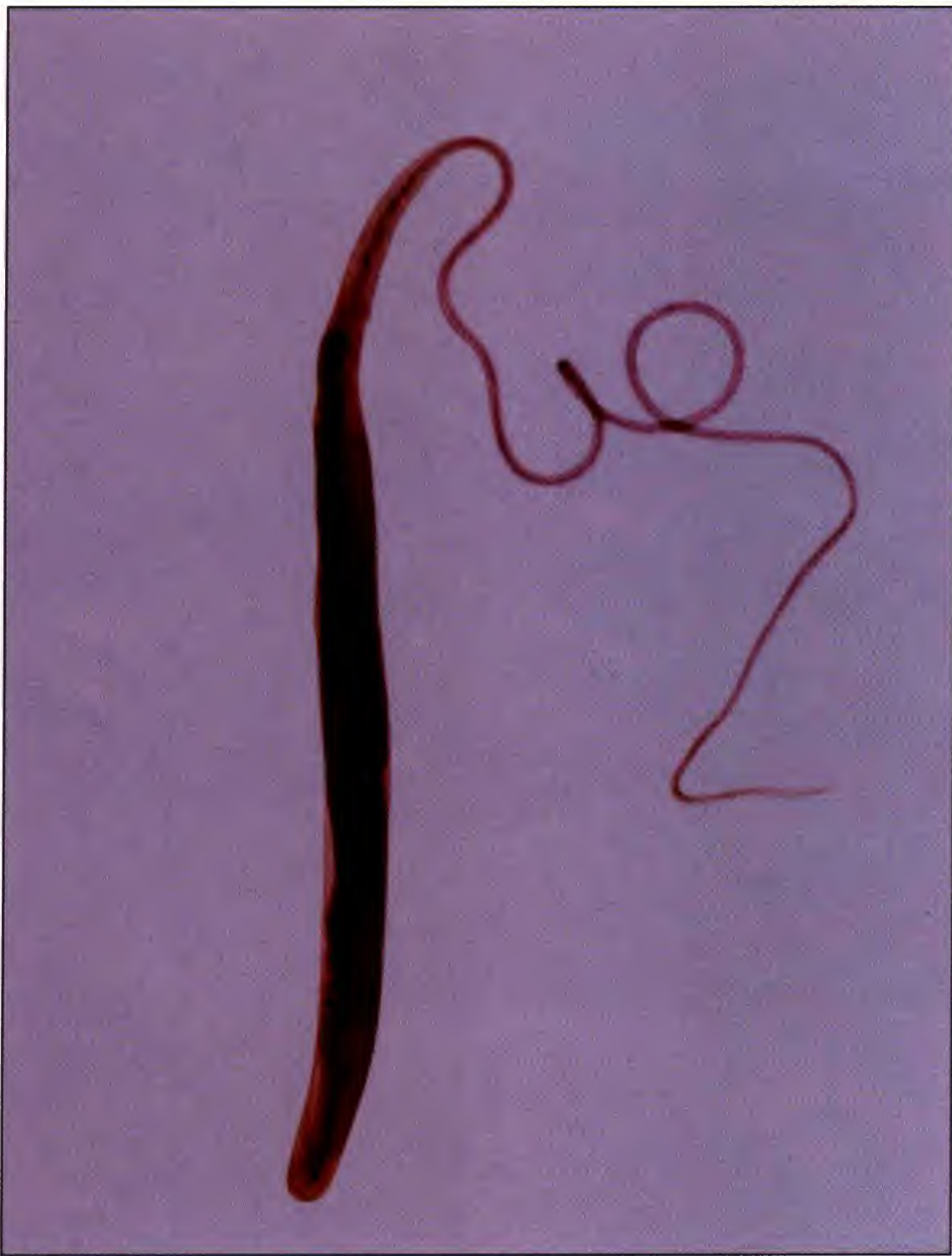


图124

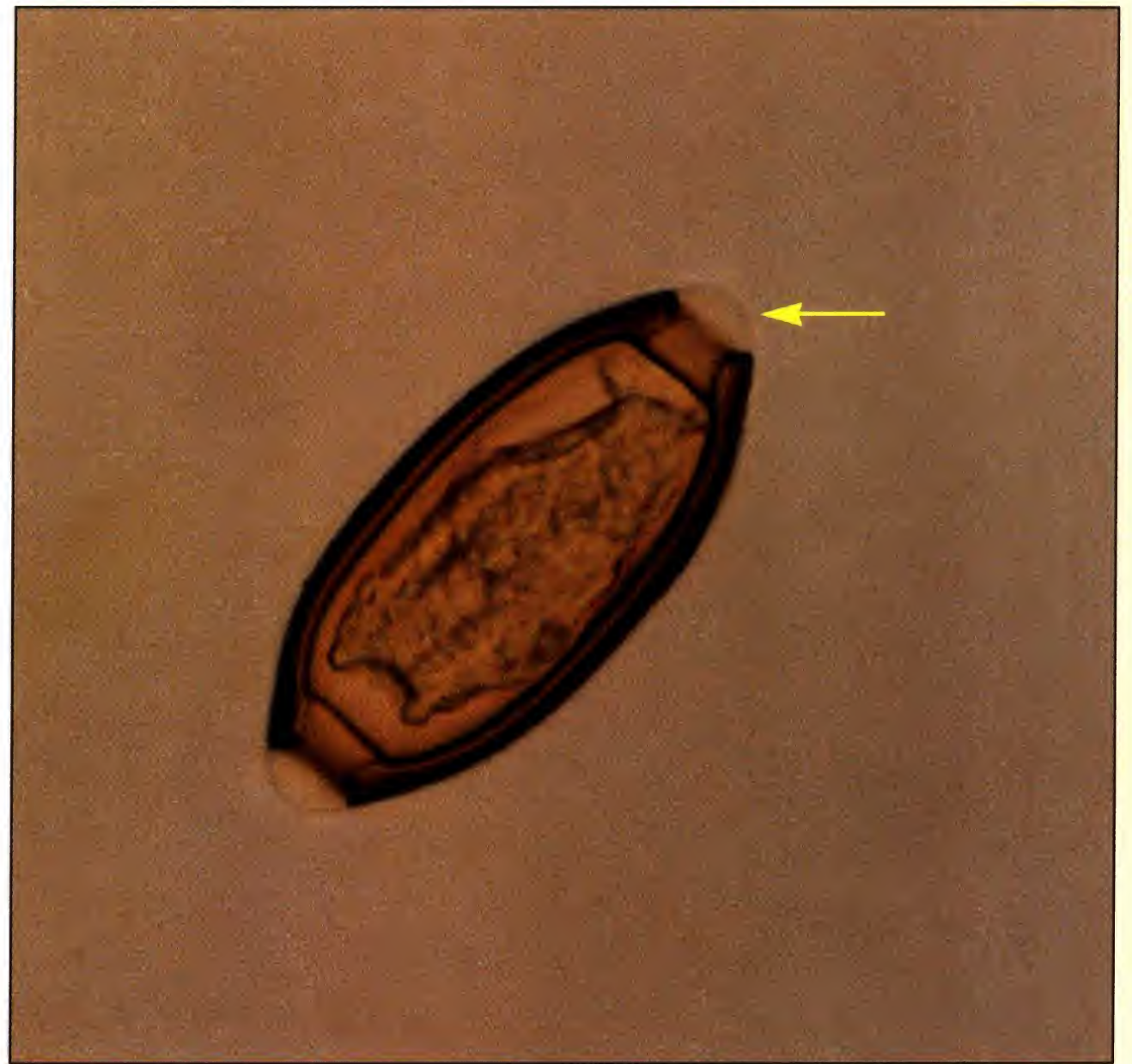


图125



图124 鞭虫雌虫
Female worm of *Trichuris trichiura*
(卡红染色 Carmine stain
 6.3×1.6)

图125 鞭虫卵
Egg of *Trichuris trichiura* (1)
← 极塞 Polar plugs
(自然色 Natural colour
 10×40)

图126 鞭虫卵
Egg of *Trichuris trichiura* (2)
← 含蚴卵 Contains an
infective larva
(自然色 Natural colour
 10×40)

图126

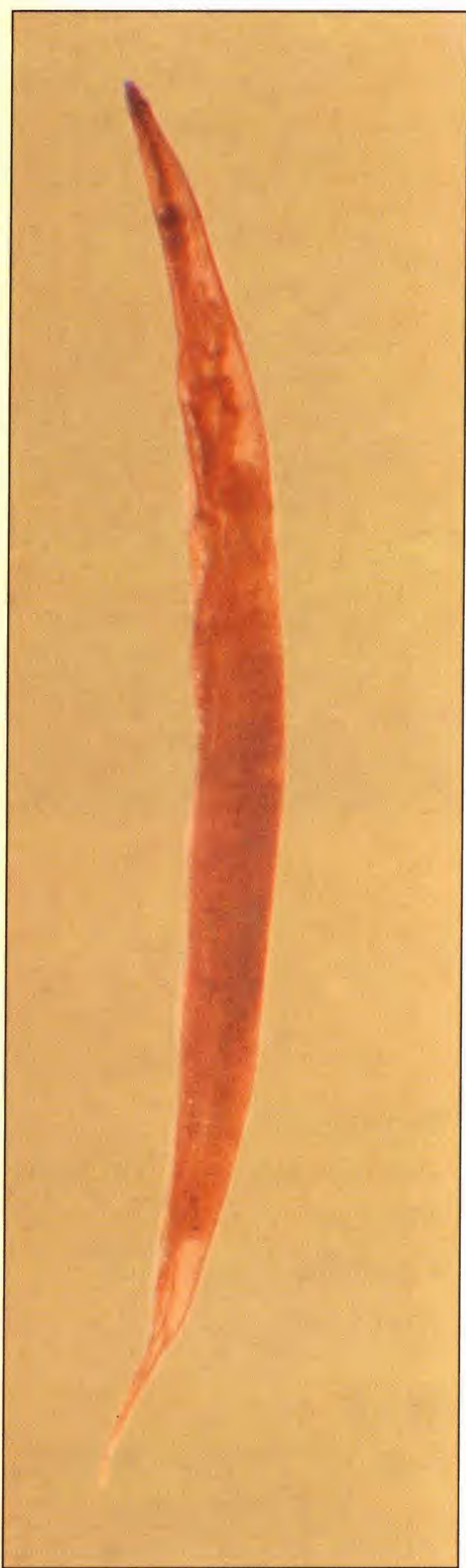


图127

图127 蠕形住肠线虫（蛲虫）雌虫
Female worm of *Enterobius vermicularis*
(卡红染色 Camine stain 6.3 × 2.5)

图128 蛲虫雄虫
Male worm of *Enterobius vermicularis*
(卡红染色 Camine stain 6.3 × 2.5)

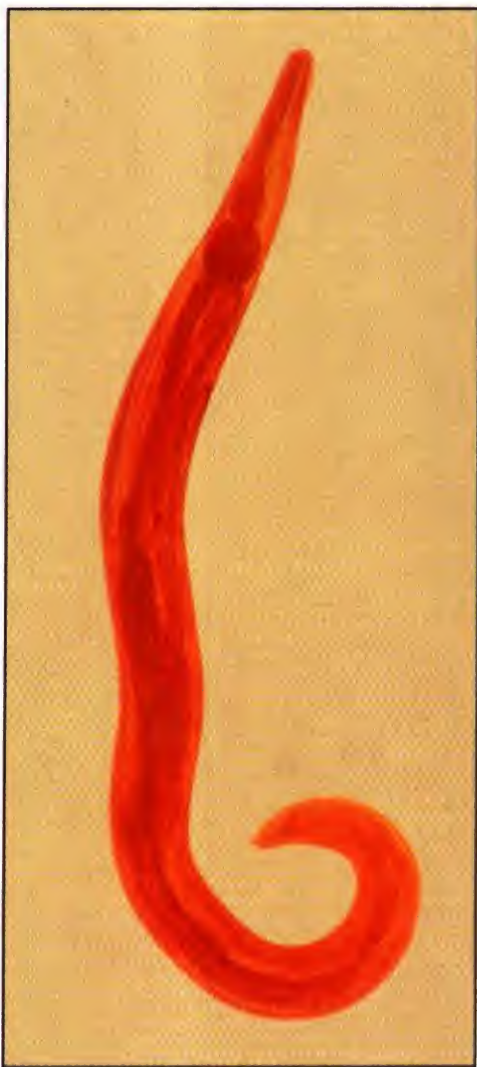


图128



图129

图129 蛲虫成虫
Adults of *Enterobius vermicularis*

图130 蛲虫头翼、咽管球
Cephalic alae and pharyngeal bulb of *Enterobius vermicularis*
— 头翼 Cephalic alae
— 咽管球 Pharyngeal bulb
(卡红染色 Camine stain 10 × 10)

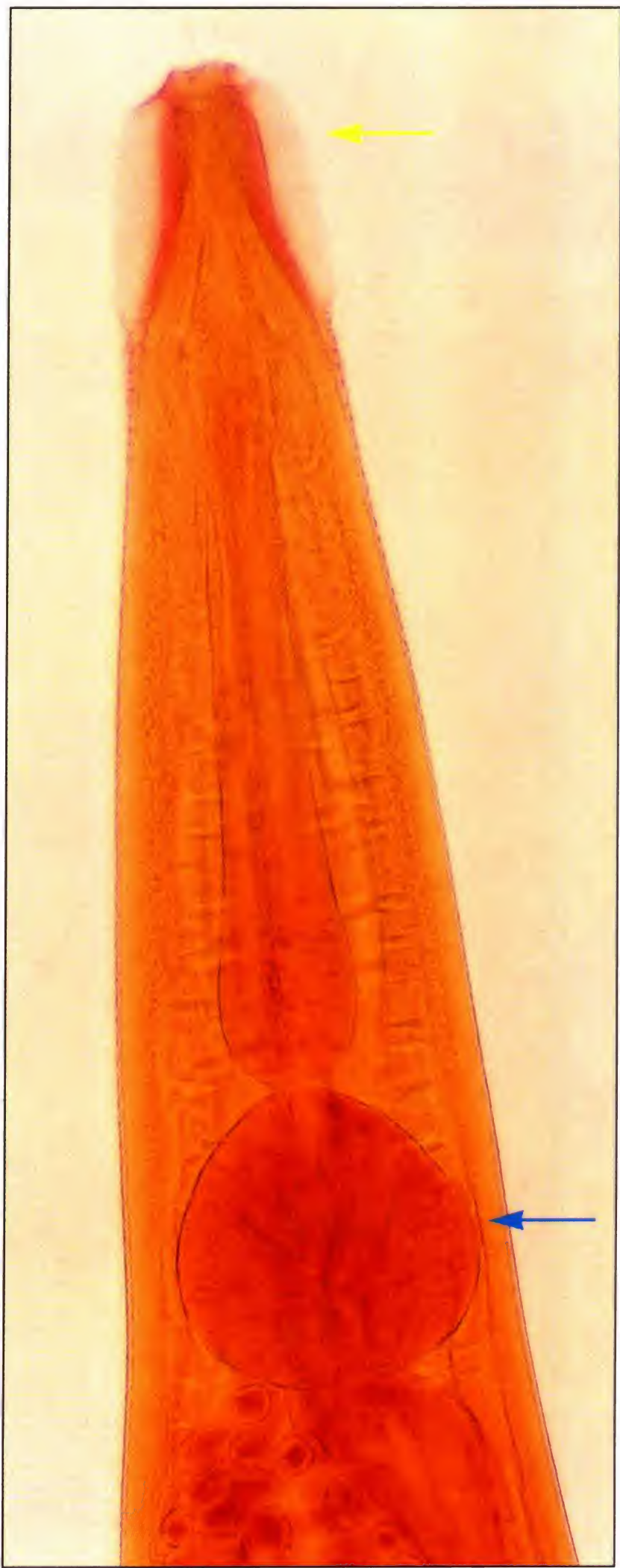


图130

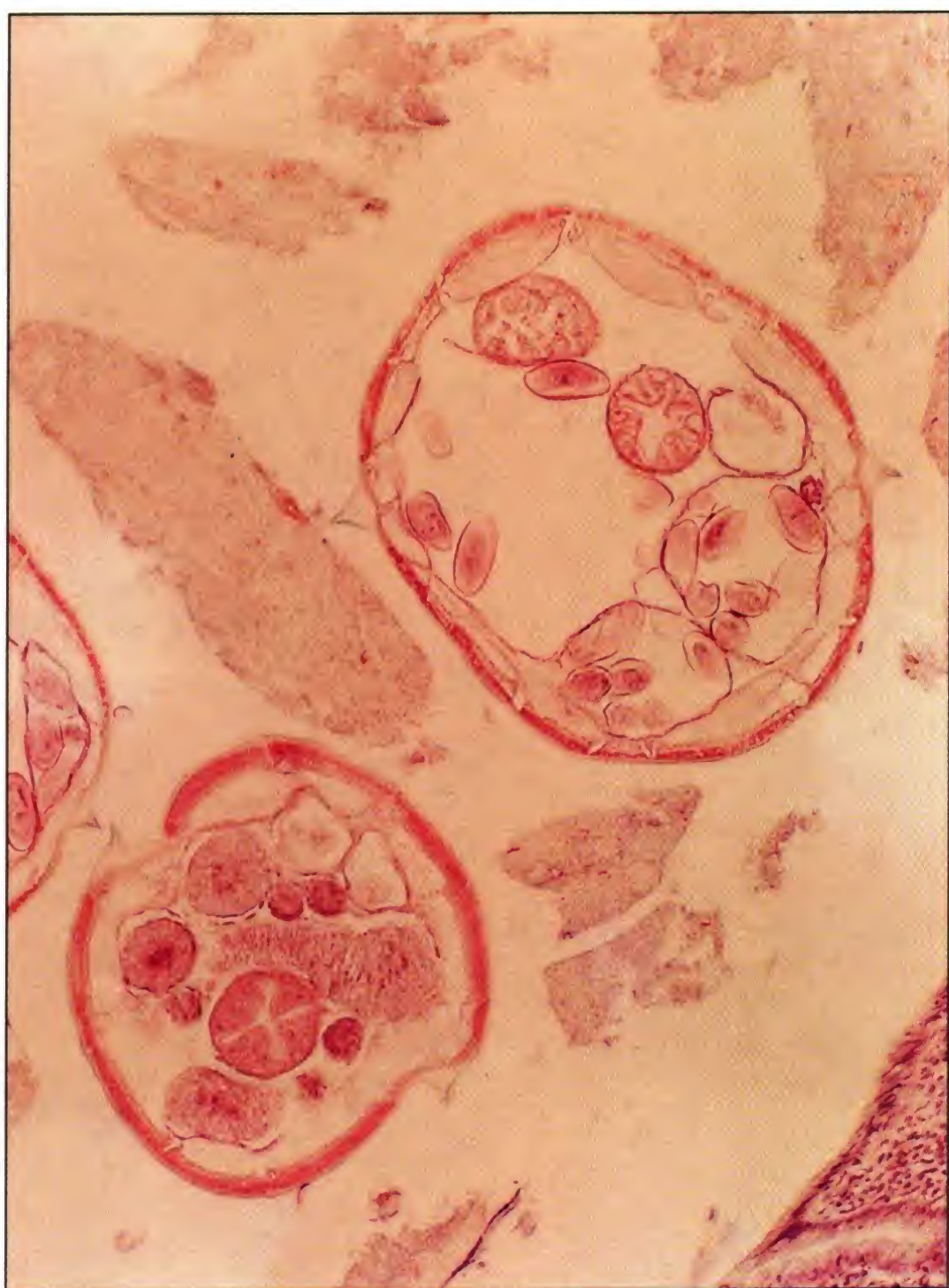


图131

图131 蛲虫横切面

Transversely dissected worms of *Enterobius vermicularis*

(苏木素和伊红染色 Hematoxylin and eosin stain 10 × 10)



图132

图132 蛲虫卵

Egg of *Enterobius vermicularis* (1)

(自然色 Natural colour 10 × 40)



图133 蛲虫卵

Eggs of *Enterobius vermicularis* (2)

(自然色 Natural colour 10 × 40)

图133



图134



图135

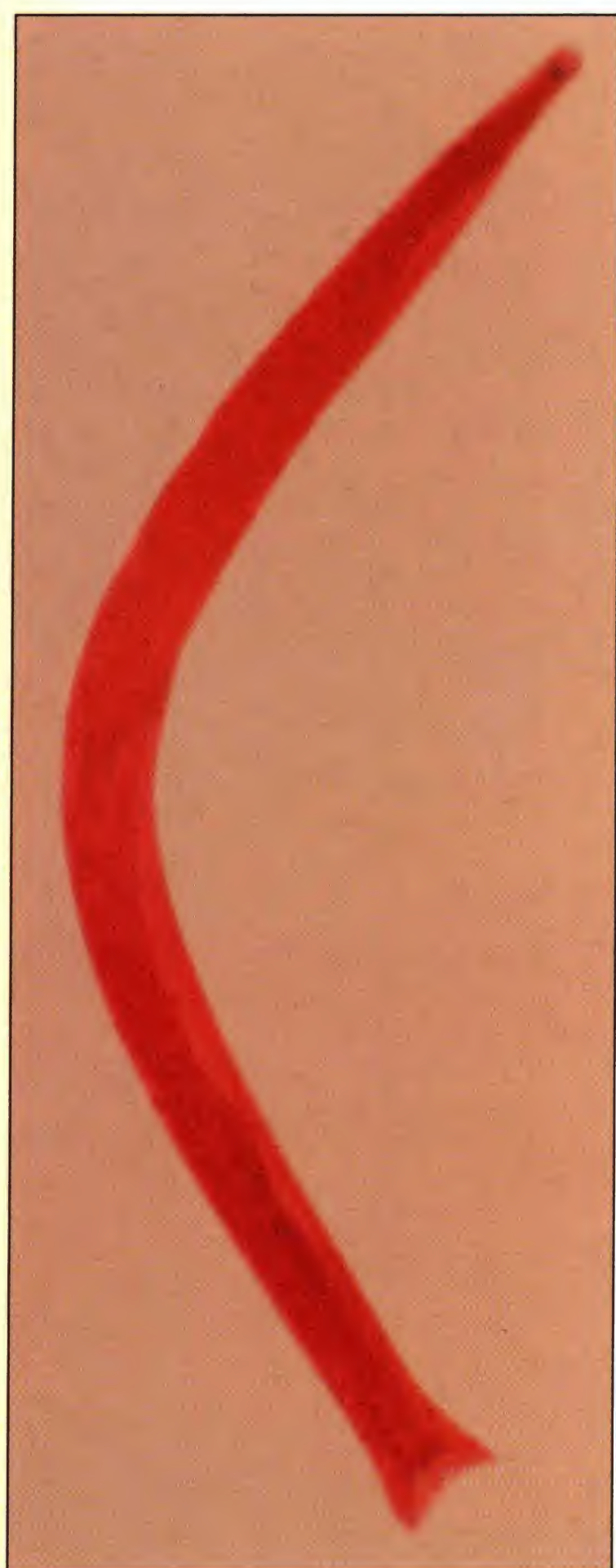


图136



图137

图134 钩虫成虫
Adults of hook worm

图135 十二指肠钩虫雌虫
Female worm of *Ancylostoma duodenale*
(卡红染色 Camine stain 6.3×2.5)

图136 十二指肠钩虫雄虫
Male worm of *Ancylostoma duodenale*
(卡红染色 Camine stain 6.3×2.5)

图137 美洲钩虫雌虫
Female worm of *Necator americanus*
(卡红染色 Camine stain 6.3×2.5)



图138

图138 美洲钩虫雄虫
Male worm of *Necater americanus*
(卡红染色 Camine stain
 6.3×2.5)



图139

图139 十二指肠钩虫口囊
Buccal capsule of
Ancylostoma duodenal
(卡红染色 Camine stain
 10×40)

图140 美洲钩虫口囊
Buccal capsule of
Necater americanus (1)
(卡红染色 Camine stain
 10×40)

图141 美洲钩虫口囊
Buccal capsule of *Necater americanus* (2)
(自然色 Natural colour 10×40)

图141



图140



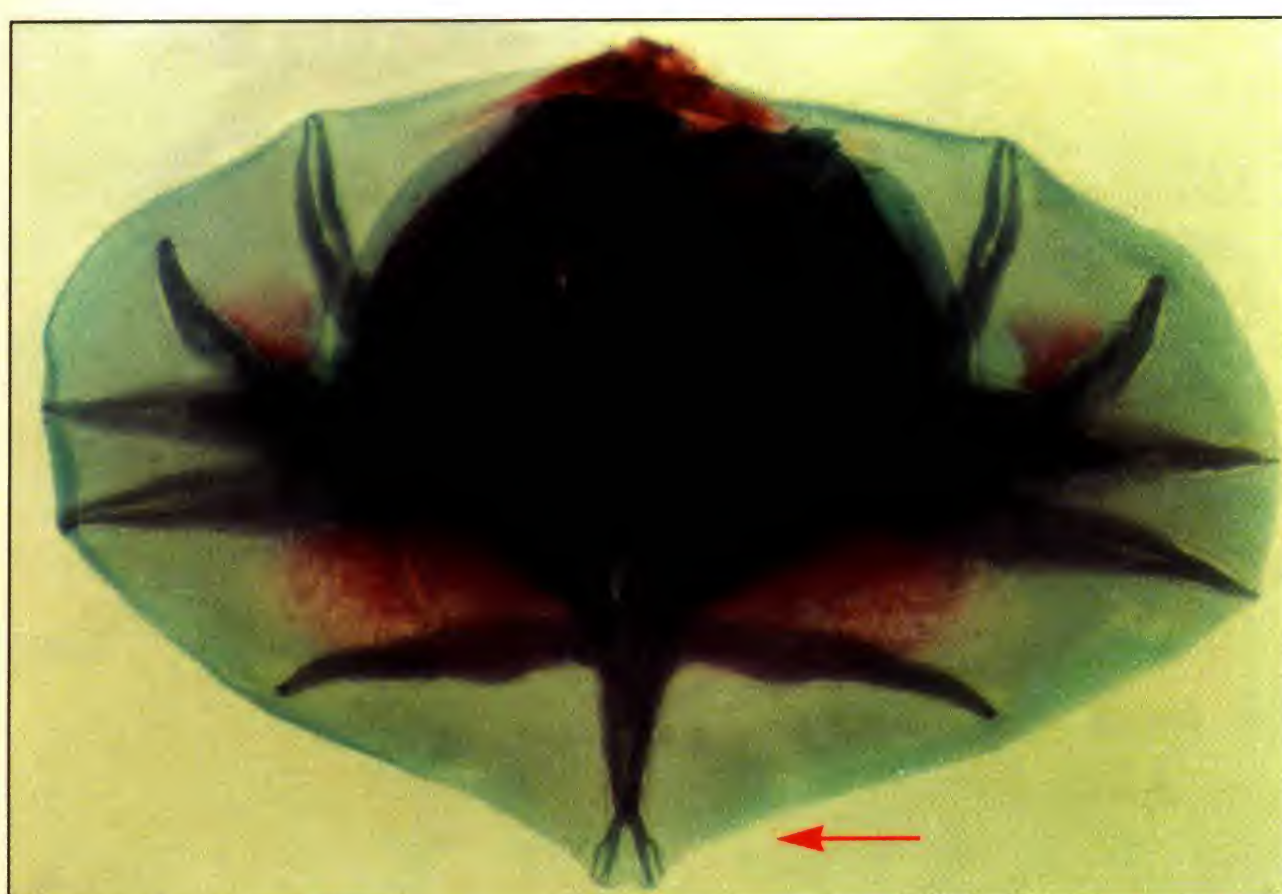


图142

图142 十二指肠钩虫交合伞
Copulatory bursa of *Ancylostoma duodenale*
← 背辐肋 Dorsal ray
(卡红和快绿染色 Camine and fast green stain
10 × 10)

图143 美洲钩虫交合伞
Copulatory bursa of *Necater americanus*
← 背辐肋 Dorsal ray
(卡红和快绿染色 Camine and fast green stain
10 × 10)

图143



图144

图144 美洲钩虫交合刺
Copulatory spicules of *Necater americanus* (1)
(10 × 10)



图145 美洲钩虫交合刺
Copulatory spicules of *Necater americanus* (2)
(卡红和快绿染色 Camine and fast green stain 10 × 10)

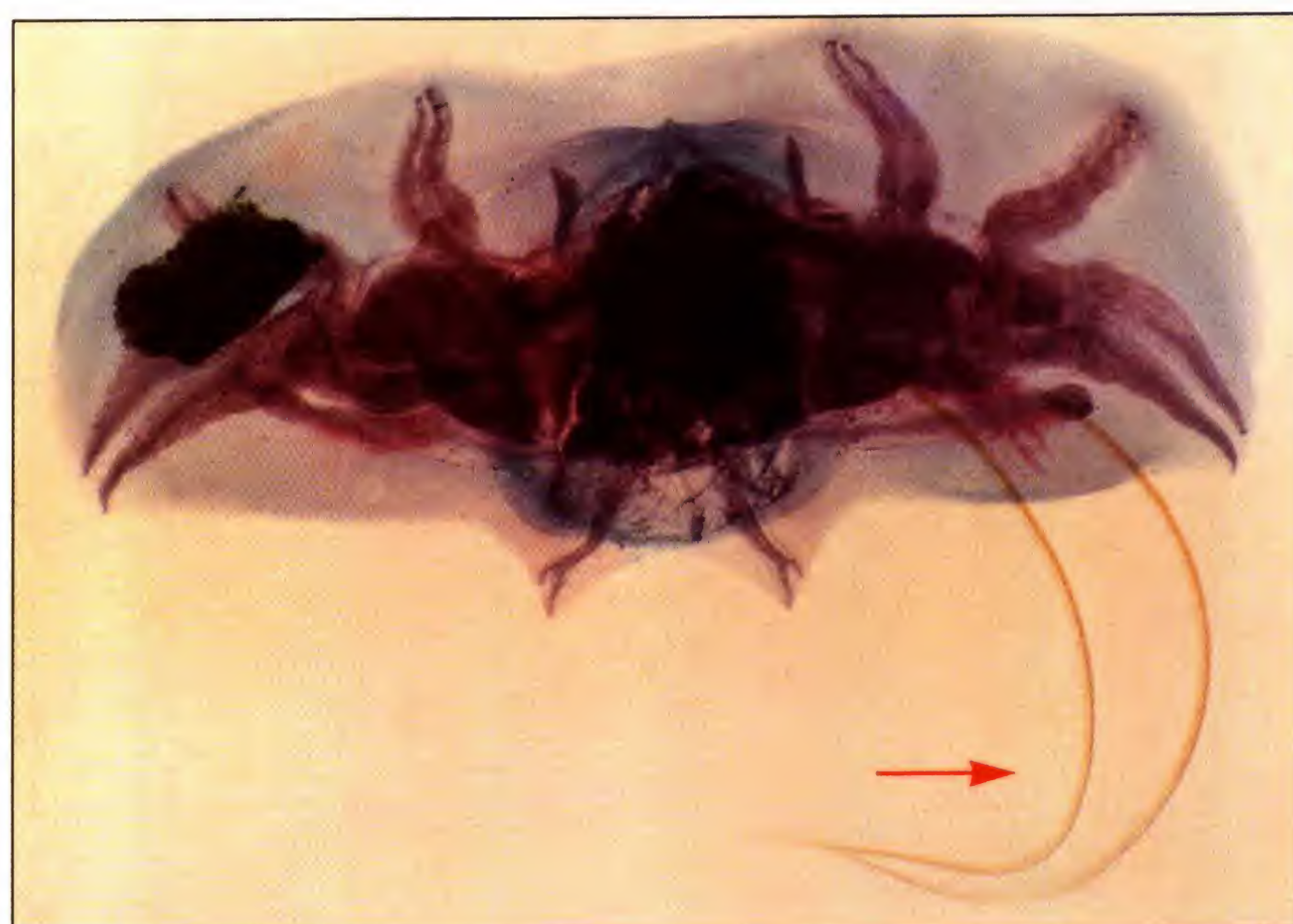


图145

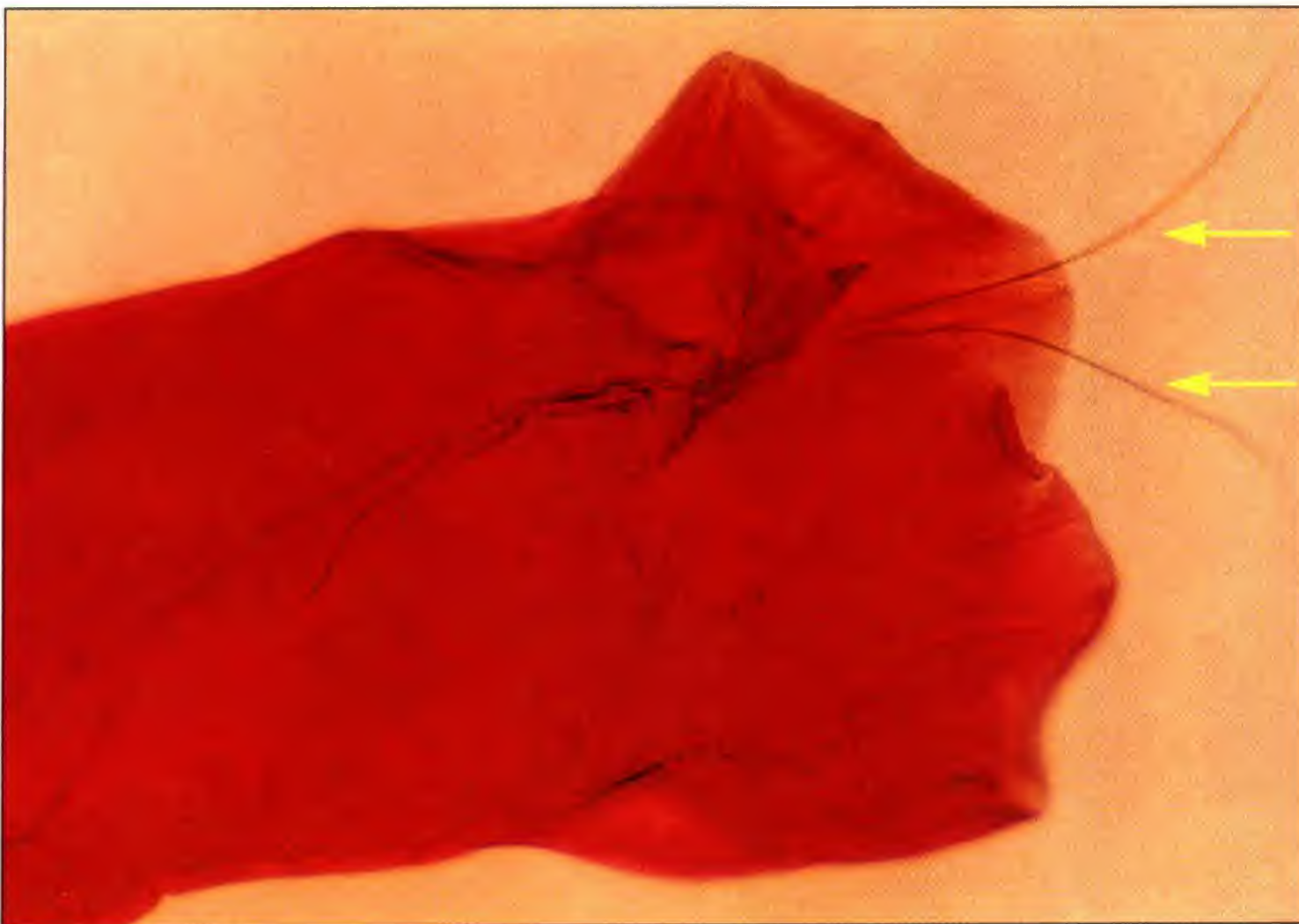


图146

图146 十二指肠钩虫交合刺
Copulatory spicules of
Ancylostoma duodenale
(卡红染色 Camine stain 10×10)

图148 钩虫卵
Egg of hook worm (1)
(自然色 Natural colour 10×40)

图149 钩虫卵
Egg of hook worm (2)
(自然色 Natural colour 10×40)



图147

图147 十二指肠钩虫尾刺
Tailed sting of *Ancylostoma duodenale*
(卡红染色 Camine stain 10×10)



图148

图149





图150

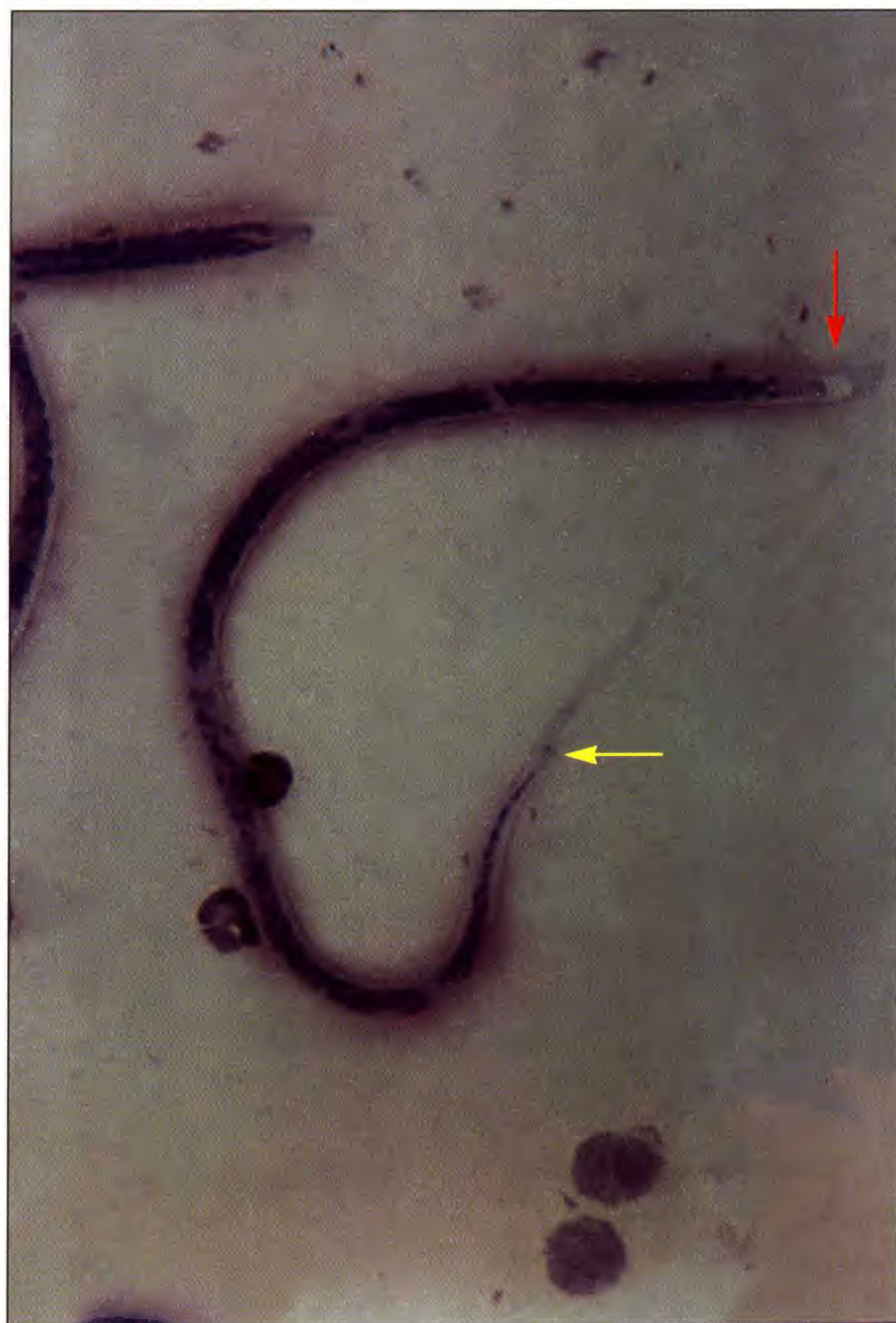


图151

图150 钩虫丝状蚴（感染期幼虫）
Filariform larva (the infective – stage larva)
of hook worm
(自然色 Natural colour 10 × 10)

图151 马来微丝蚴
Microfilaria of *Brugia malayi* (1)
← 尾核 Terminal nuclei
← 头间隙 Cephalic space
(梅氏苏木素染色 Mayer's hematoxylin stain
10 × 100)

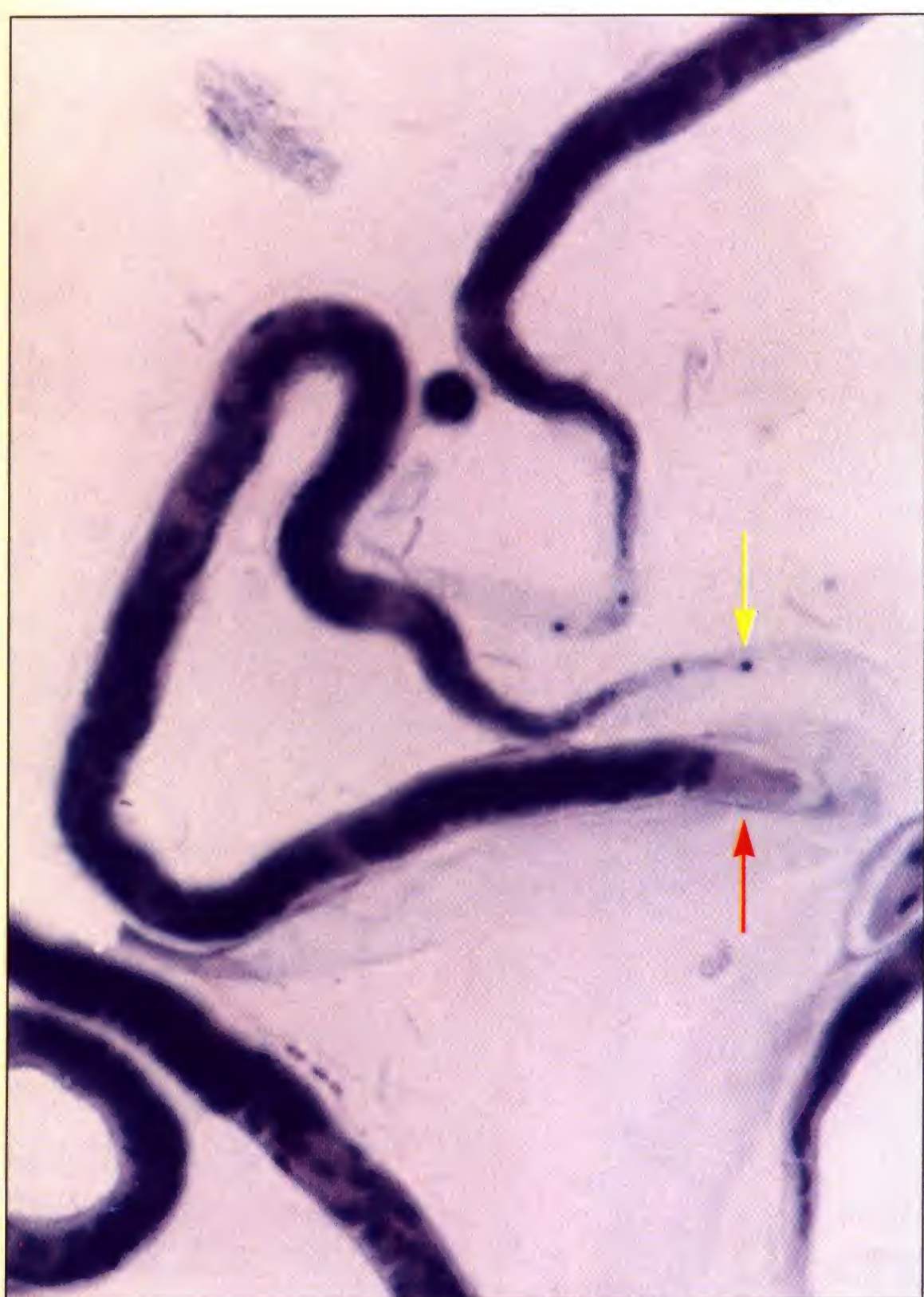


图152

图152 马来微丝蚴
Microfilaria of *Brugia malayi* (2)
← 尾核 Terminal nuclei
← 头间隙 Cephalic space
(梅氏苏木素染色 Mayer's hematoxylin stain
10 × 100)



图153

图153 班氏微丝蚴
Microfilaria of *Wuchereria bancrofti* (1)
(梅氏苏木素染色 Mayer's hematoxylin stain 10×40)



图154

图154 班氏微丝蚴
Microfilaria of *Wuchereria bancrofti* (2)
(梅氏苏木素染色 Mayer's hematoxylin stain 10×100)

图155 丝虫丝状蚴自蚊口器逸出
Filariform larvae of filaria escape from the proboscis of mosquito
← 感染期幼虫 The infective-stage larvae
(梅氏苏木素染色 Mayer's hematoxylin stain 10×10)



图155



图156



图157

图156 下肢象皮肿
Elephantiasis of the lower limbs

图157 上肢象皮肿
Elephantiasis of the upper limbs



图158

图158 阴囊象皮肿
Elephantiasis of the scrotum

图159 阴部象皮肿
Elephantiasis of the external genitalia



图159



图160



图161

图160 旋毛形线虫（旋毛虫）雌虫
Female worm of *Trichinella spiralis*
(卡红染色 Camine stain 10×10)

图161 旋毛虫雄虫
Male worm of *Trichinella spiralis*
(卡红染色 Camine stain 10×10)

图162 旋毛虫幼虫囊包（骨骼肌压片）
Encysting larvae of *Trichinella spiralis* (Press preparations of skeletal muscle)
(卡红染色 Camine stain 10×4)

图163 旋毛虫幼虫囊包（肌肉切片）
Encysting larvae of *Trichinella spiralis* (Section of muscle)
(苏木素和伊红染色 Hematoxylin and eosin stain 10×40)

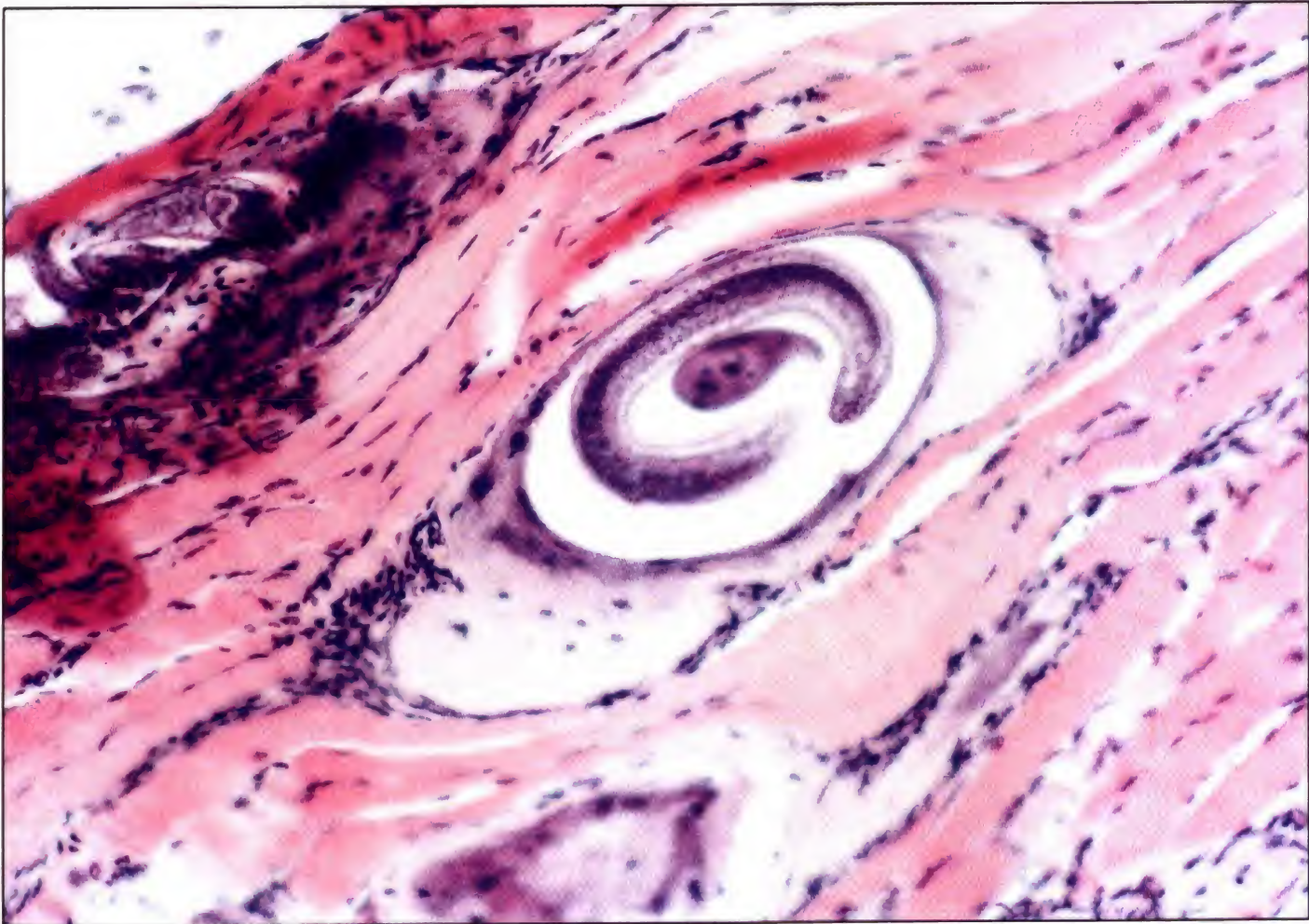


图163

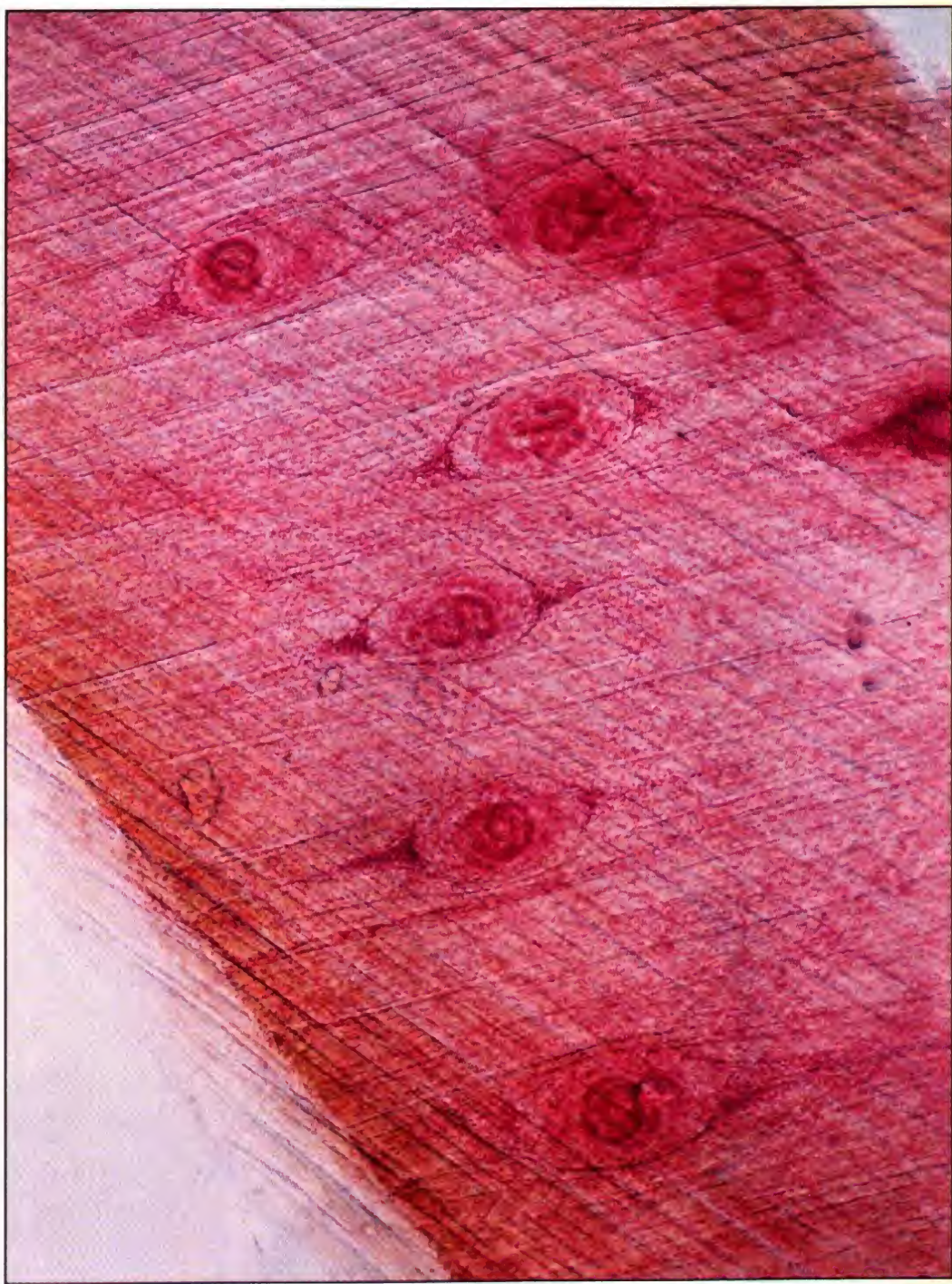


图162



图164

图164 结膜吸吮线虫
Thelazia callipaeda
(卡红染色 Camine stain 10×10)



图165

图165 结膜吸吮线虫头部
Head of *Thelazia callipaeda*
(自然色 Natural colour 10×40)

图166 结膜吸吮线虫雄虫尾部
The end of male worm of *Thelazia callipaeda*
(10×40)

图166

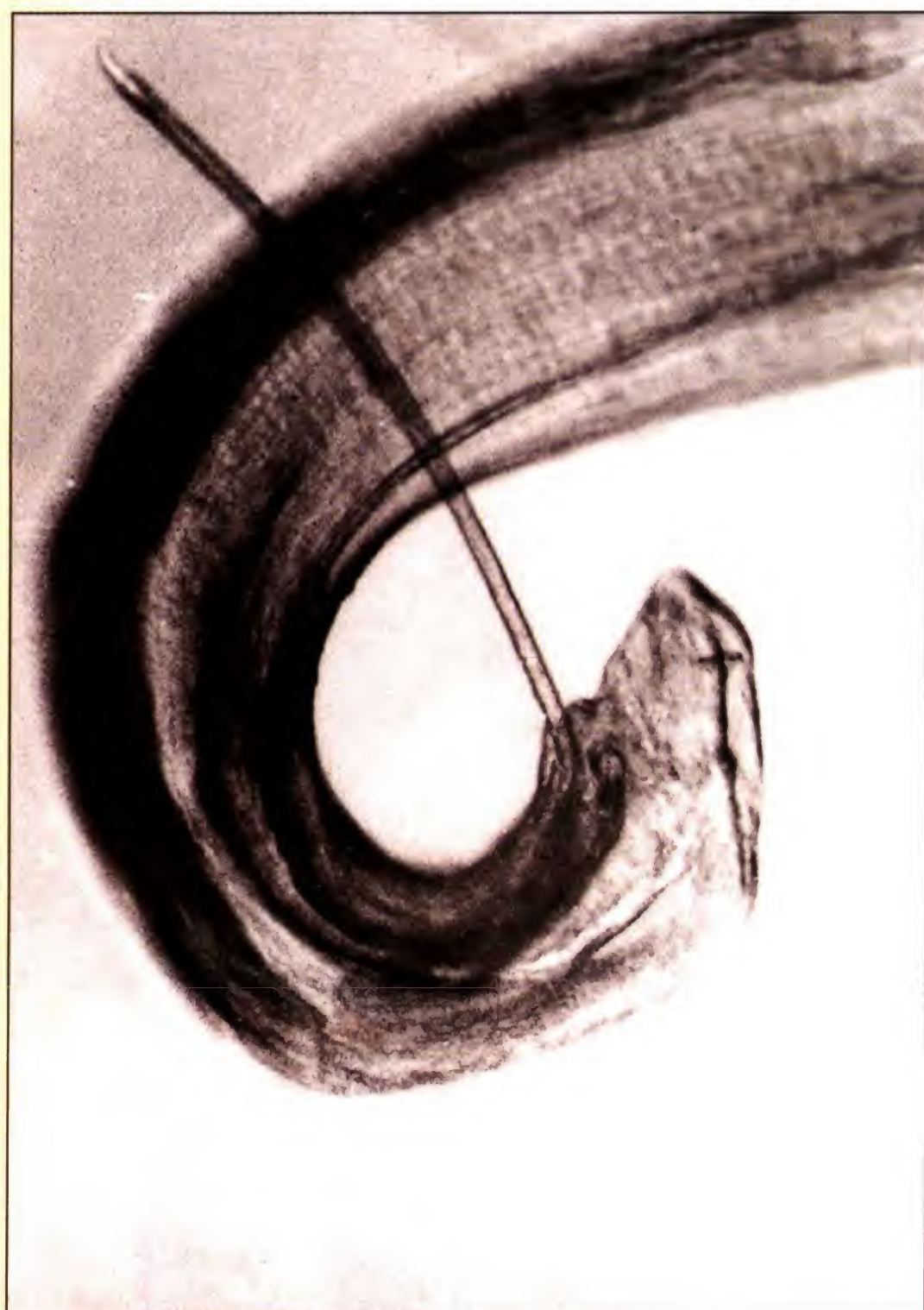


图167 眼弓首线虫幼虫移行症，视网膜末期斑痕
End-stage scarring of the retina, ocular larva migrans of *Toxocara canis*
注：有时被误诊为肿瘤而误摘眼球 Sometimes the retinal appearances may suggest a tumour, and the eye may even be enucleated in error.

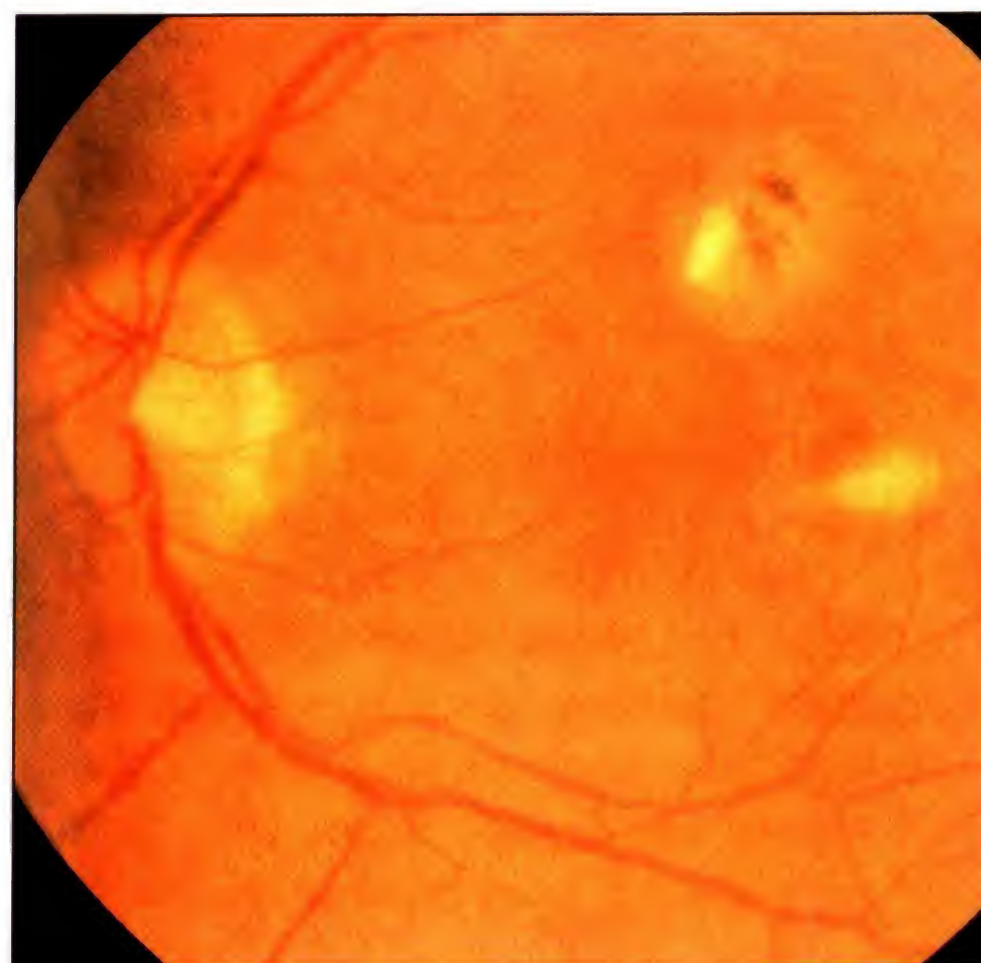


图167



图168

图168 犬弓首线虫感染期虫卵
Infective egg of *Toxocara canis*
(自然色 Natural colour 10×40)

图169 肝组织内犬弓首线虫幼虫肉芽肿切片
Section of granuloma of *Toxocara canis* larva in liver tissue
(苏木素和伊红染色 Hematoxylin and eosin stain 10×20)

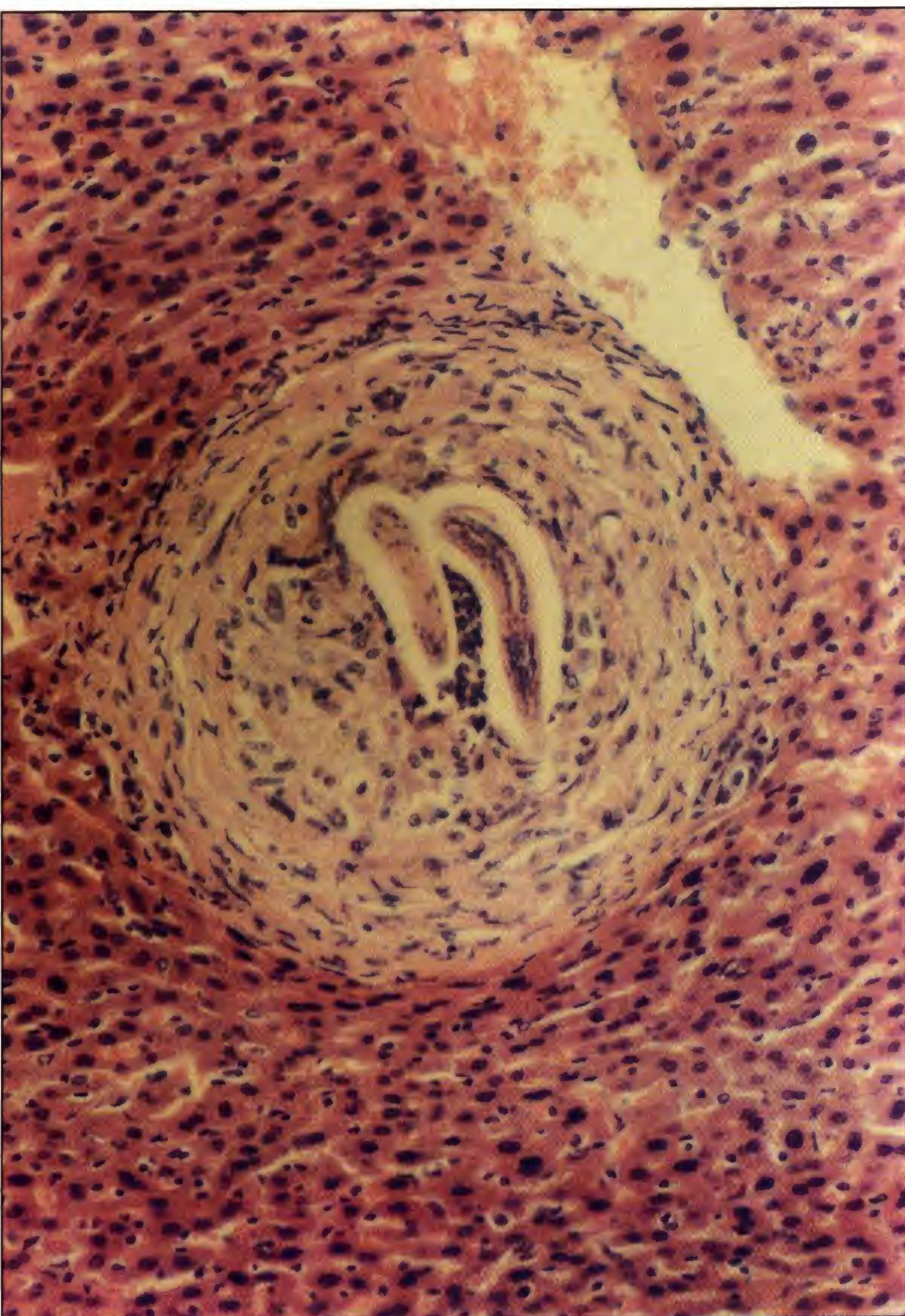


图169

图170 脑组织内犬弓首线虫幼虫切片
Section of *Toxocara canis* larva in brain tissue
(苏木素和伊红染色 Hematoxylin and eosin stain 10×40)



图170

医学节肢动物

Medical arthropods

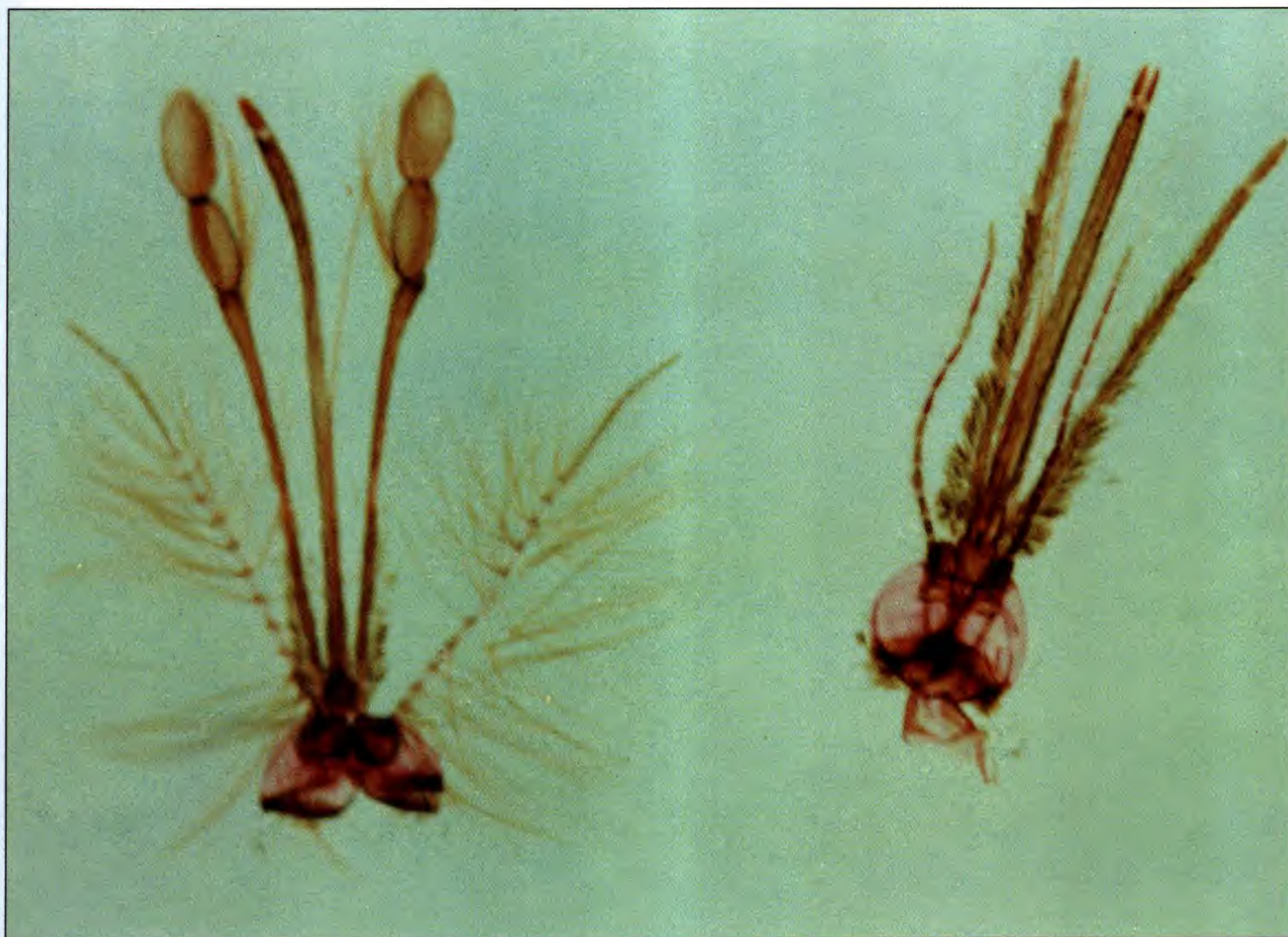


图171

图172

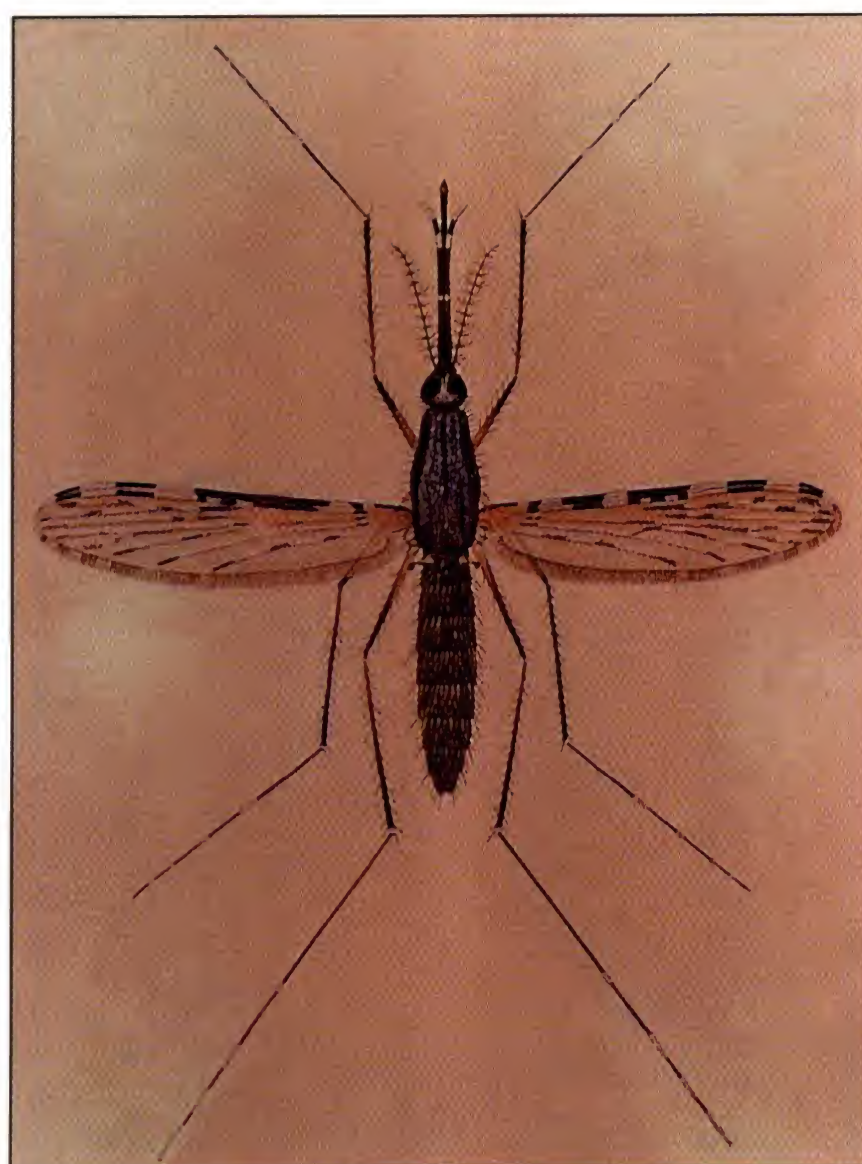


图171 蚊头部
Head of mosquito
(卡红染色 Carmine stain
 6.3×1.6)

图172 蚊口器 (喙)
Mouthpart of mosquito
(proboscis)
(卡红染色 Carmine stain
 10×4)

图173 按蚊属
Anopheles sp.

图173

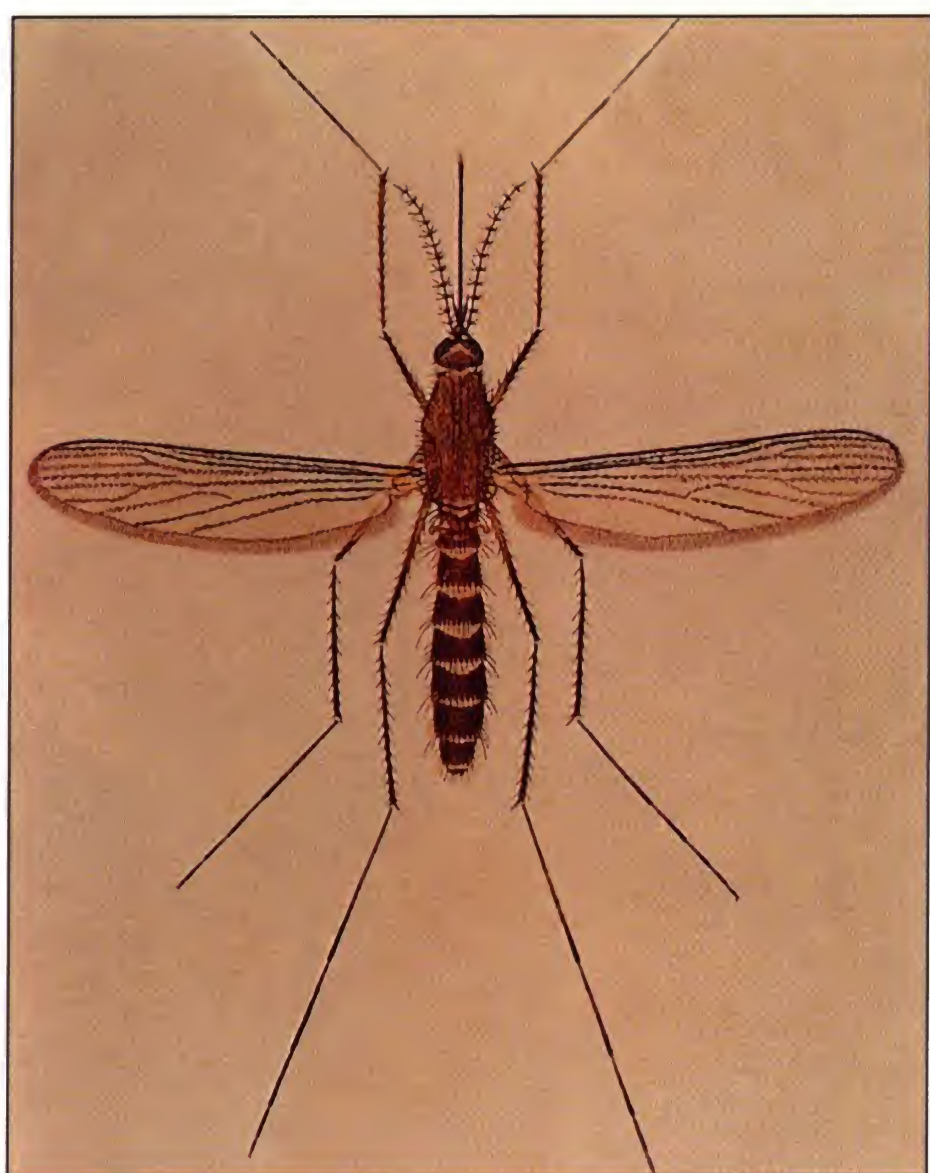


图174

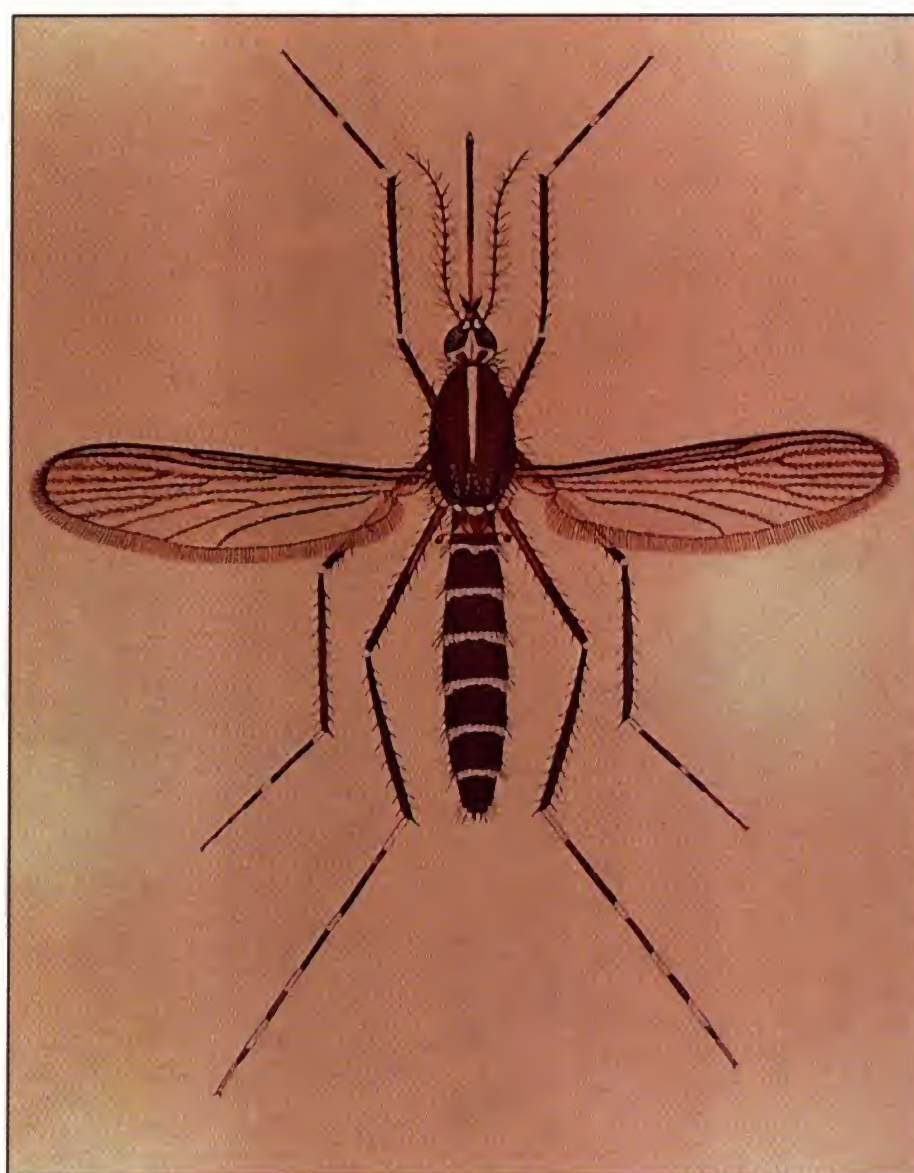


图175



图176

图174 库蚊属
Culex sp.

图175 伊蚊属
Aedes sp.

图176 按蚊卵
Egg of *Anopheles*
(自然色 Natural colour
10 × 10)



图177

图177 库蚊卵
Egg of *Culex*
(自然色 Natural colour 10 × 10)

图178 伊蚊卵
Egg of *Aedes*
(自然色 Natural colour 10 × 10)

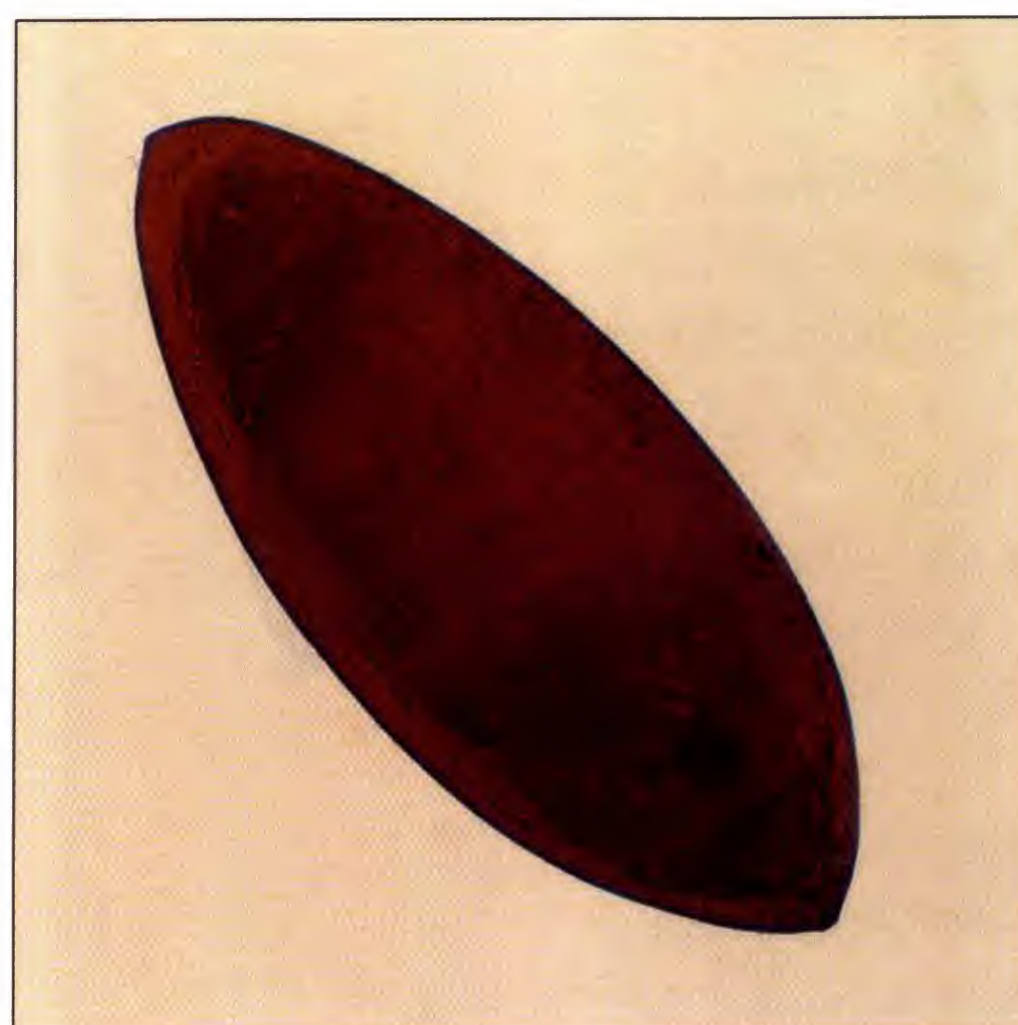


图178



图179

图179 按蚊幼虫
Larva of *Anopheles*
(自然色 Natural colour 6.3 × 2.5)



图180

图180 伊蚊幼虫
Larva of *Aedes*
← 呼吸管 Air tube
(自然色 Natural colour 6.3 × 2.5)



图181

图181 库蚊幼虫
Larva of *Culex*
← 呼吸管 Air tube
(自然色 Natural colour 6.3 × 2.5)

图182 按蚊蛹
Pupa of *Anopheles*
(自然色 Natural colour 6.3 × 2.5)



图182



图183



图184

图183 库蚊蛹
Pupa of *Culex*
(自然色 Natural colour
6.3 × 2.5)

图184 伊蚊蛹
Pupa of *Aedes*
(自然色 Natural colour
6.3 × 2.5)

图185 蝇口器
Mouthpart of fly (1)
(自然色 Natural colour
10 × 4)

图185



图186



图186 蝇口器
Mouthpart of fly (2)
(自然色 Natural colour 10 × 4)



图187

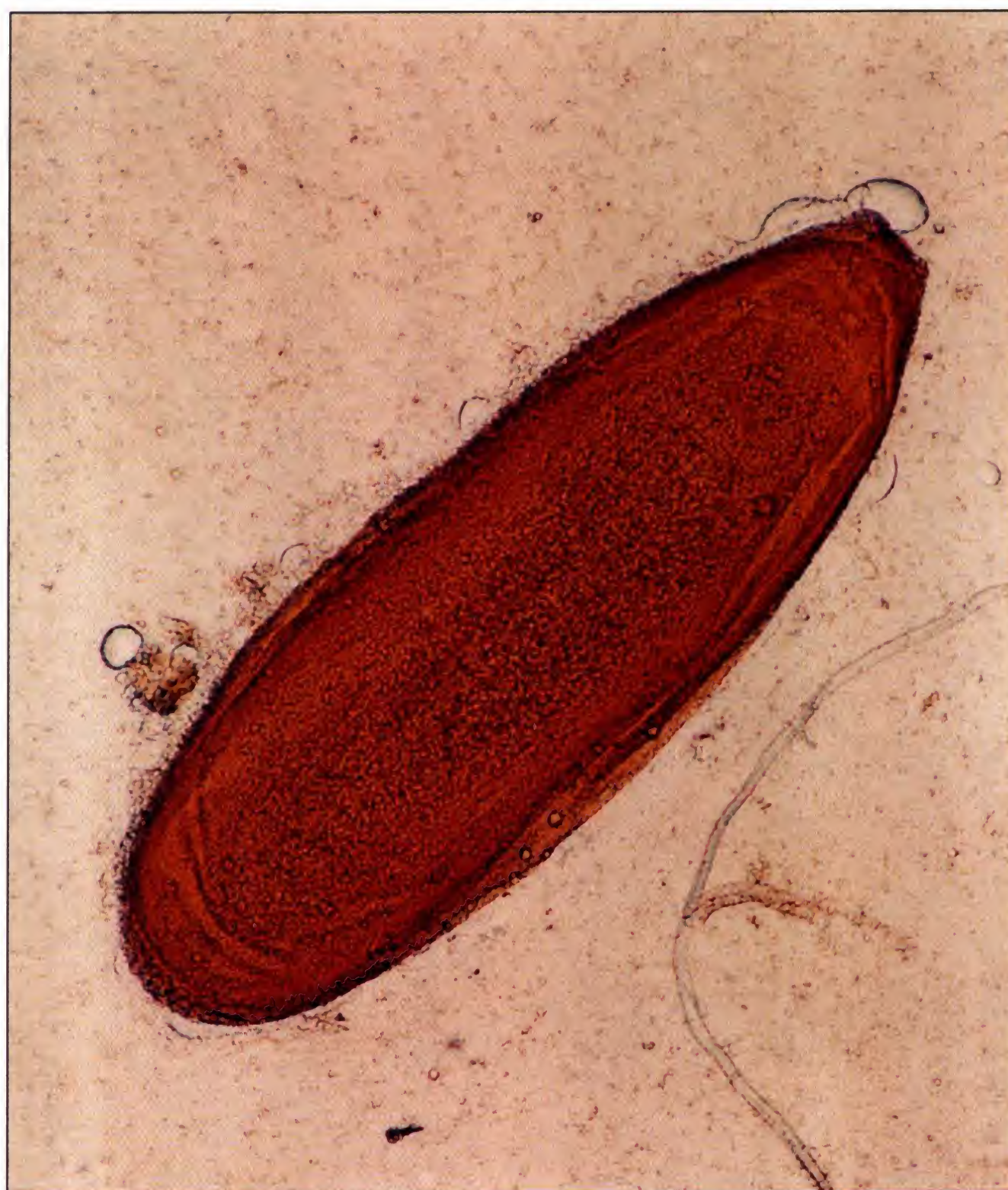


图188



图189

图187 蝇足
Foot of fly
(自然色 Natural colour
10 × 10)

图188 蝇卵
Egg of fly
(自然色 Natural colour
10 × 10)

图189 蝇幼虫
Larvae of fly
(自然色 Natural colour
1 × 1)

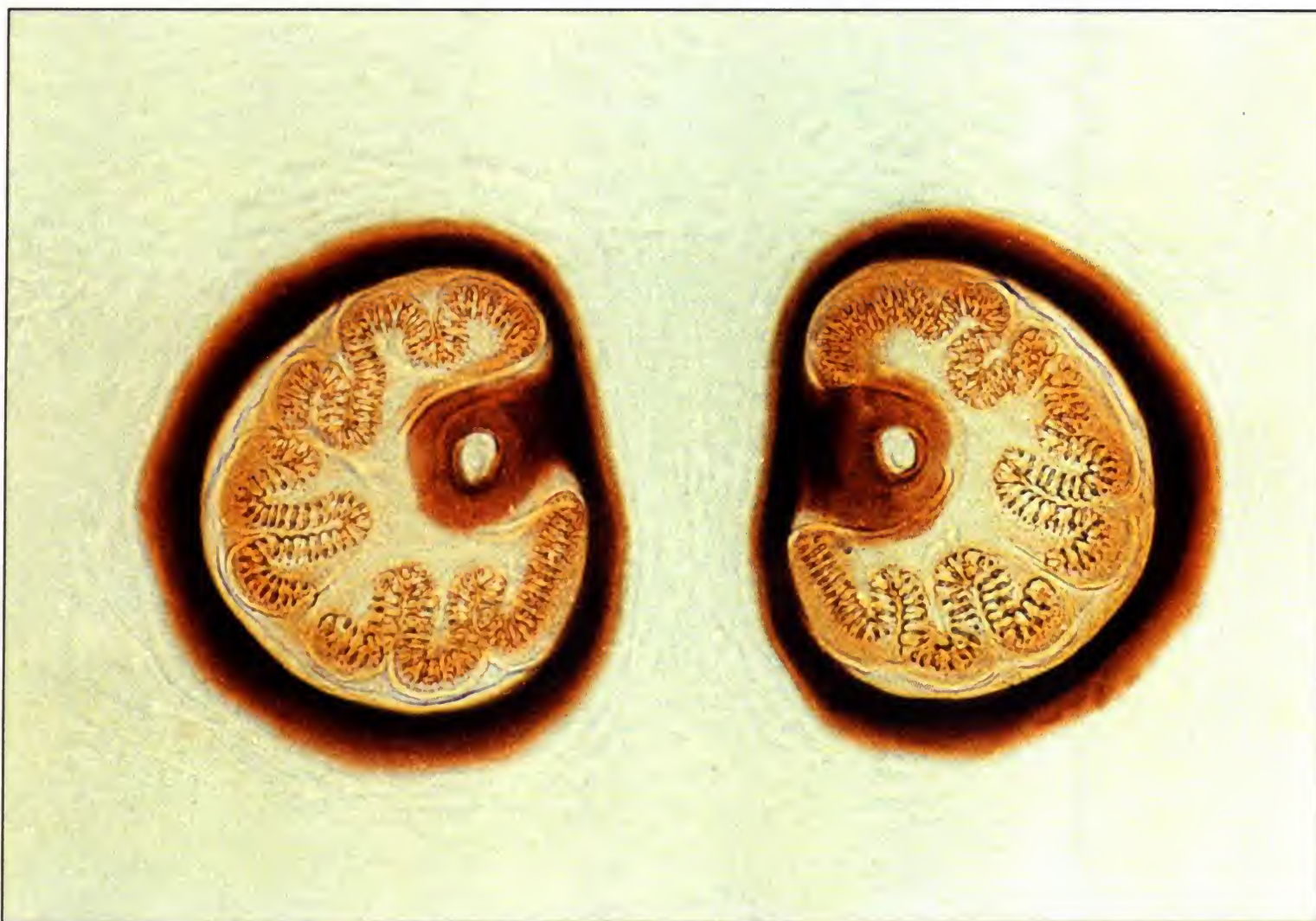


图190

图190 舍蝇幼虫后气门

Posterior spiracular pattern of
larva of *Musca domestica vicina*
(自然色 Natural colour 10×40)

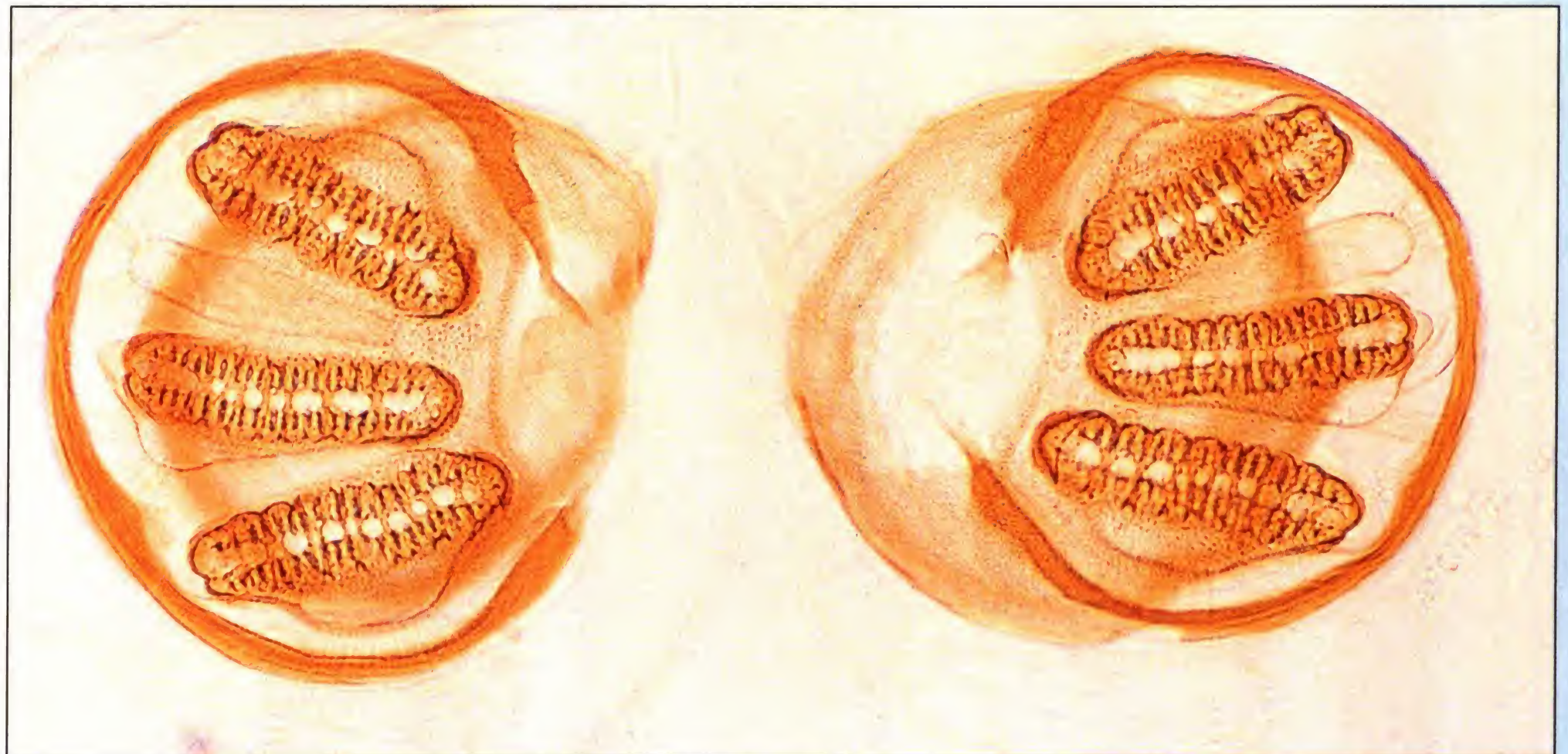


图191

图191 绿蝇幼虫后气门

Posterior spiracular pattern of
larva of *Lucilia sericata*
(自然色 Natural colour 10×40)



图192

图192 蝇蛹

Pupae of fly
(自然色 Natural colour)

图193 舍蝇
Musca domestica

图194 绿蝇
Lucilia sericata

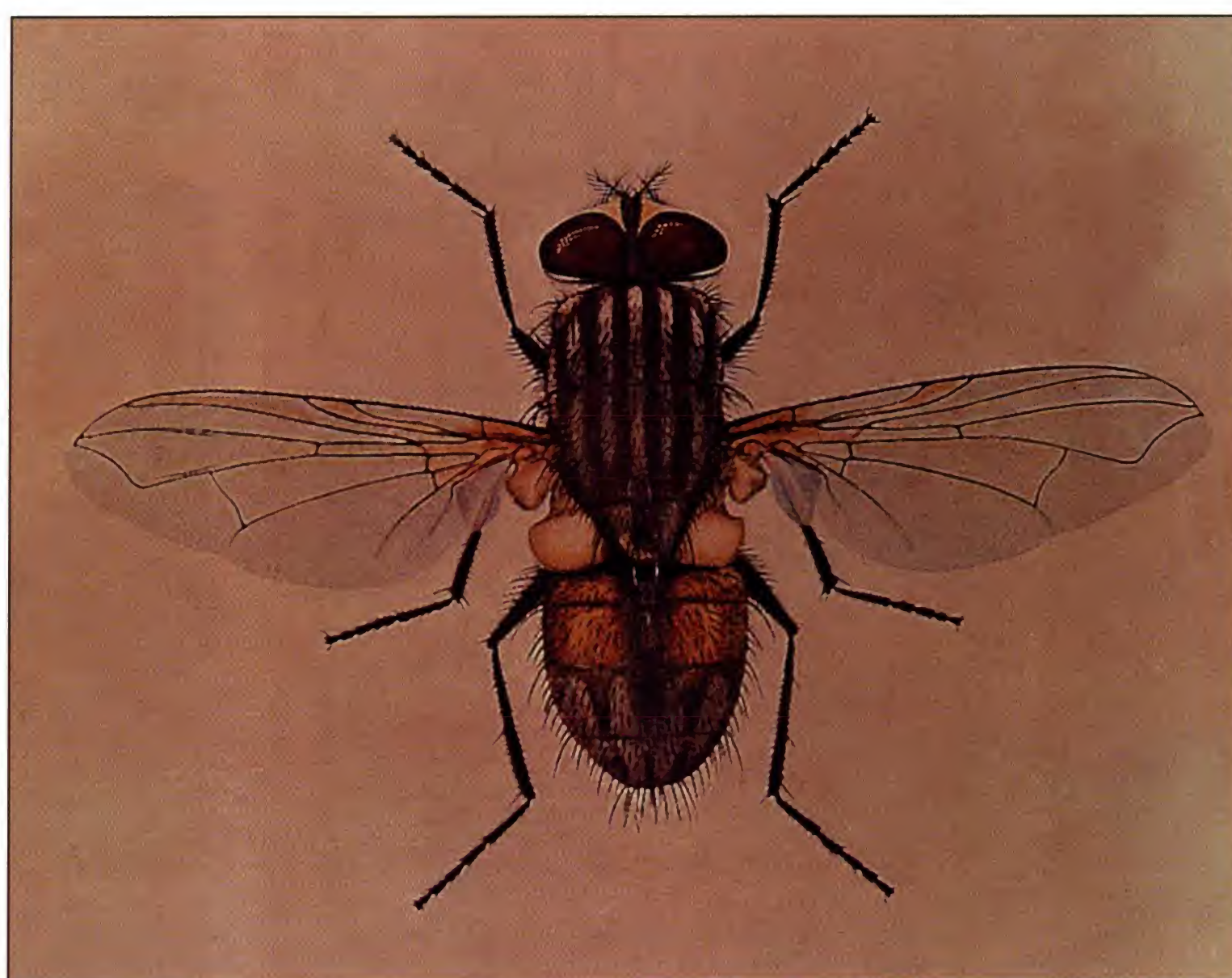


图193

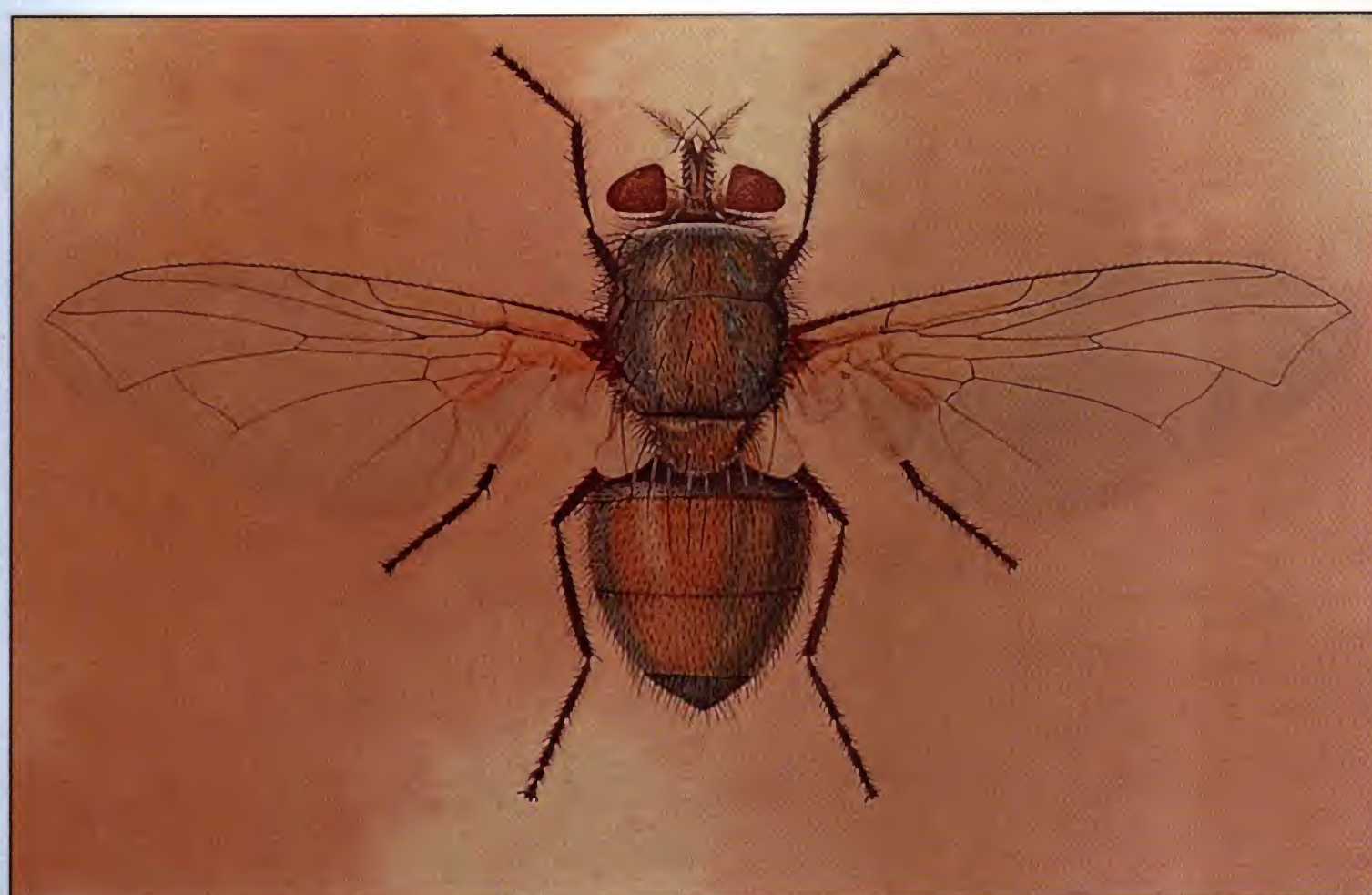


图194

图195 金蝇
Chrysomya megacephala

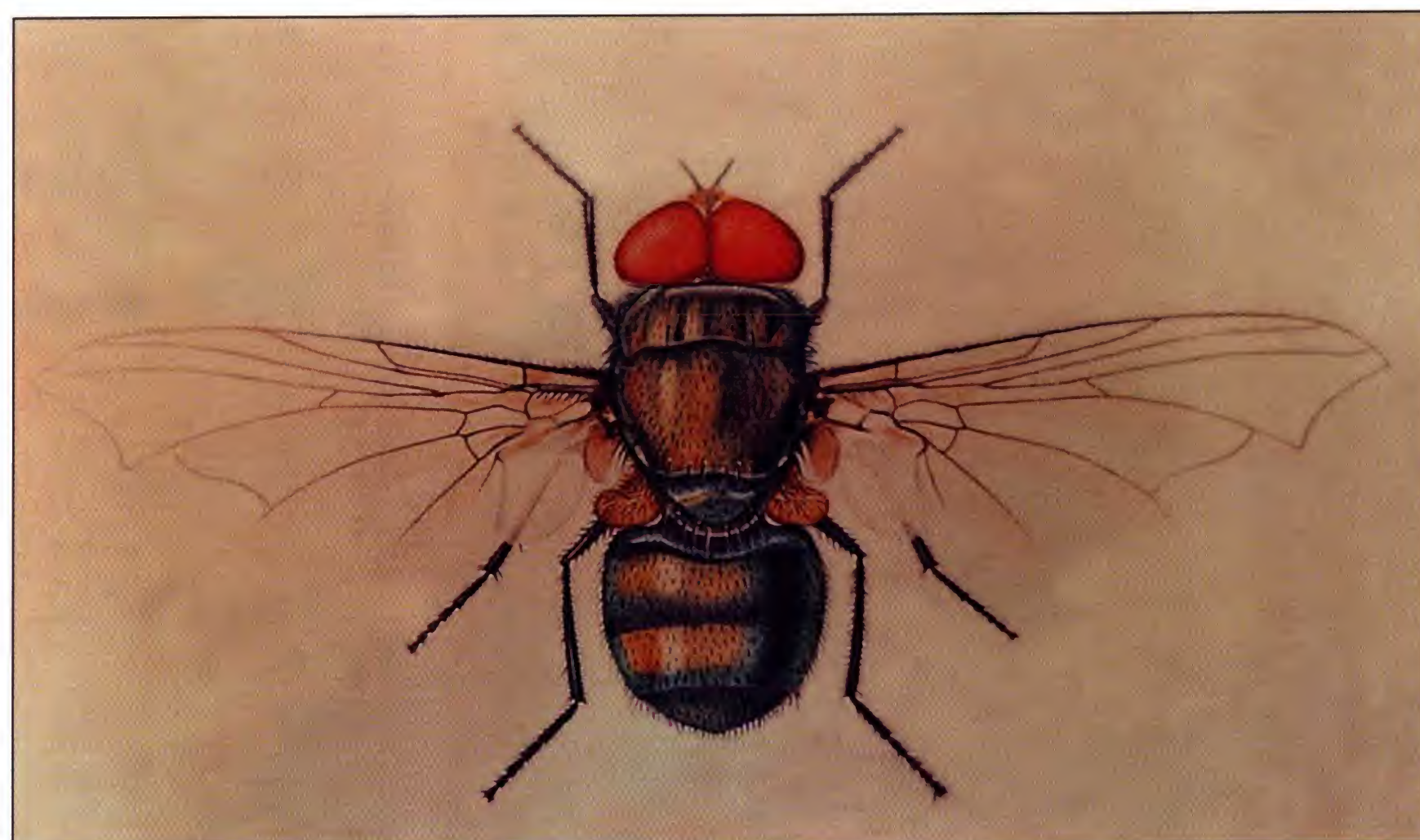


图195

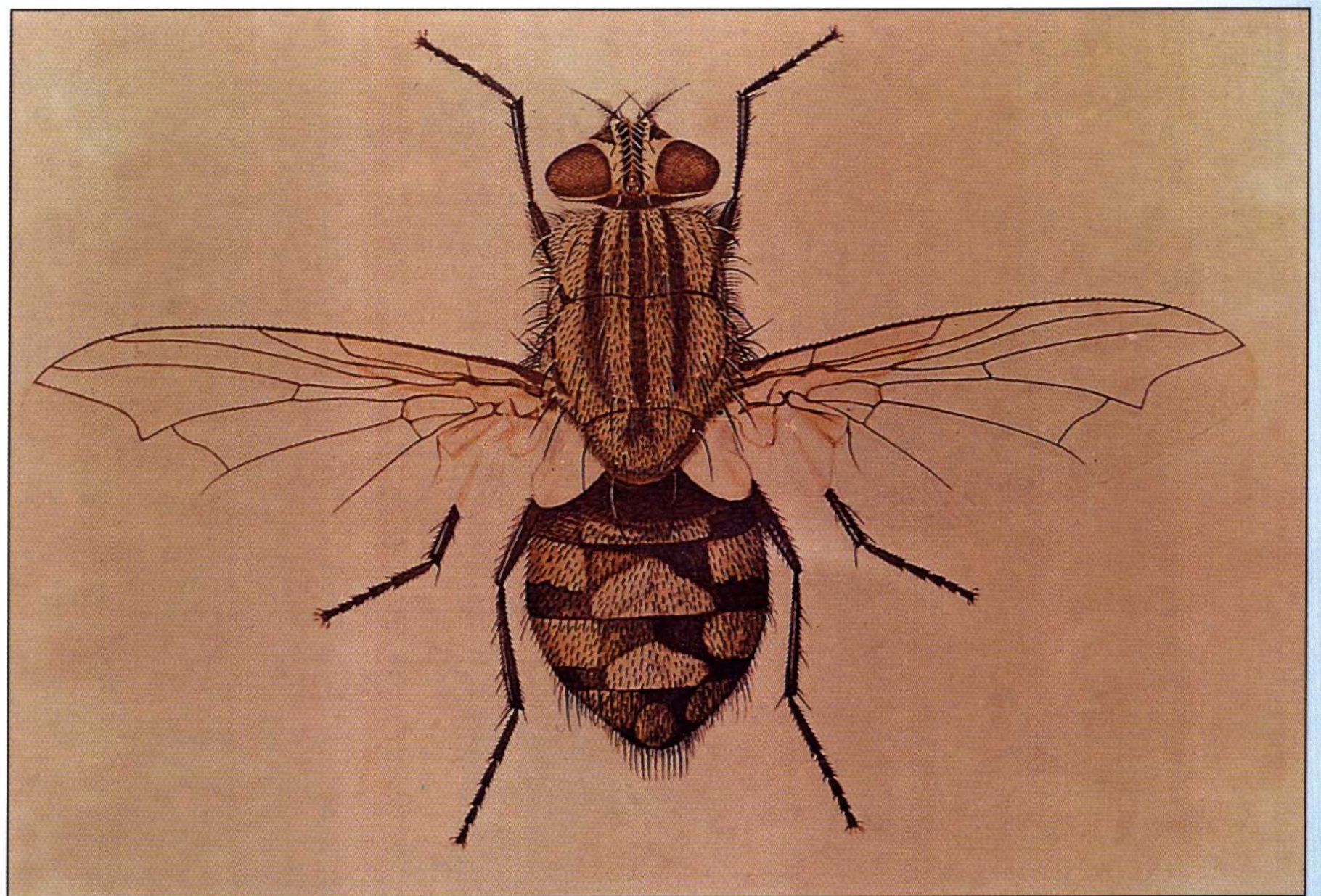


图196

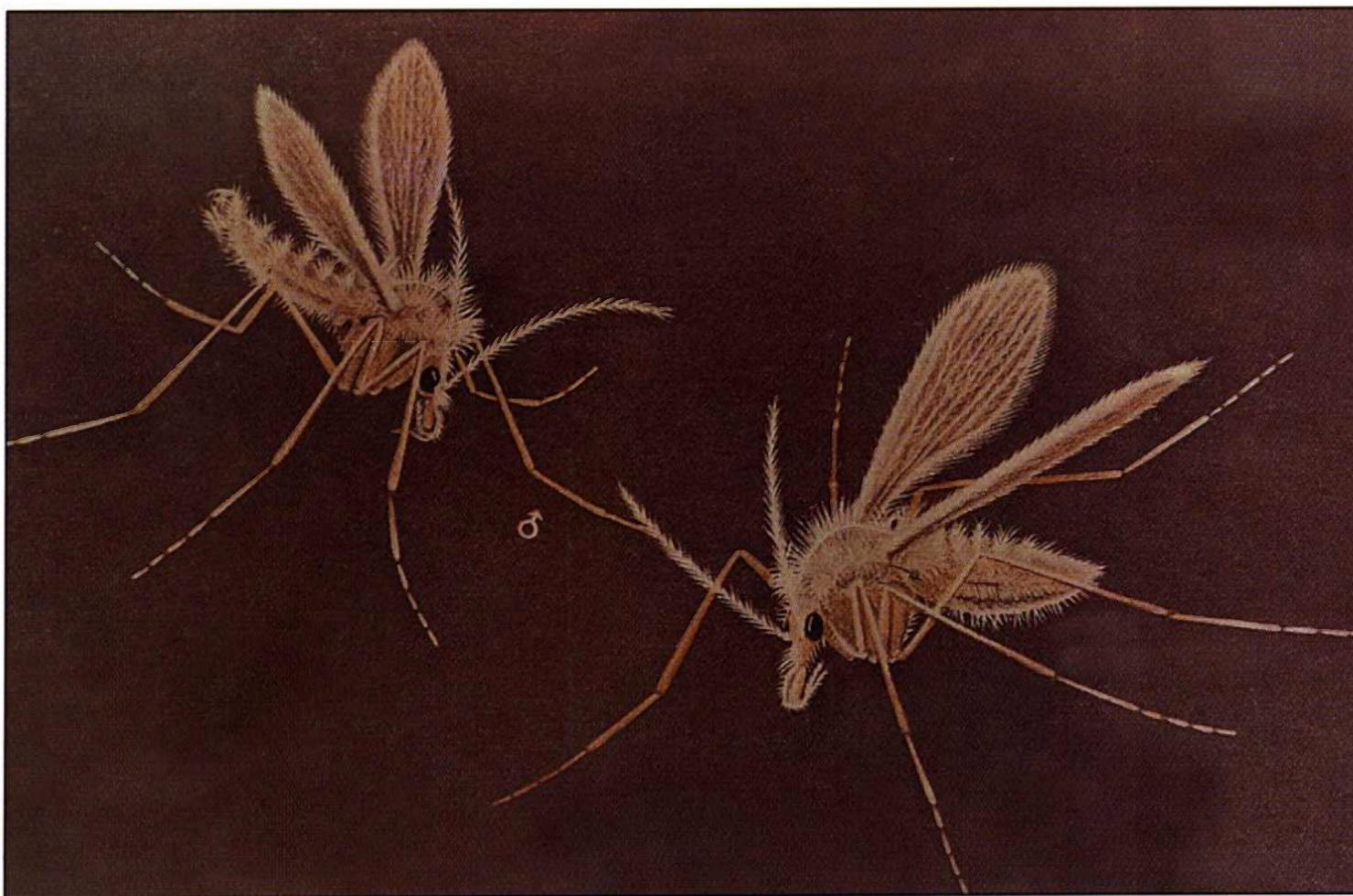


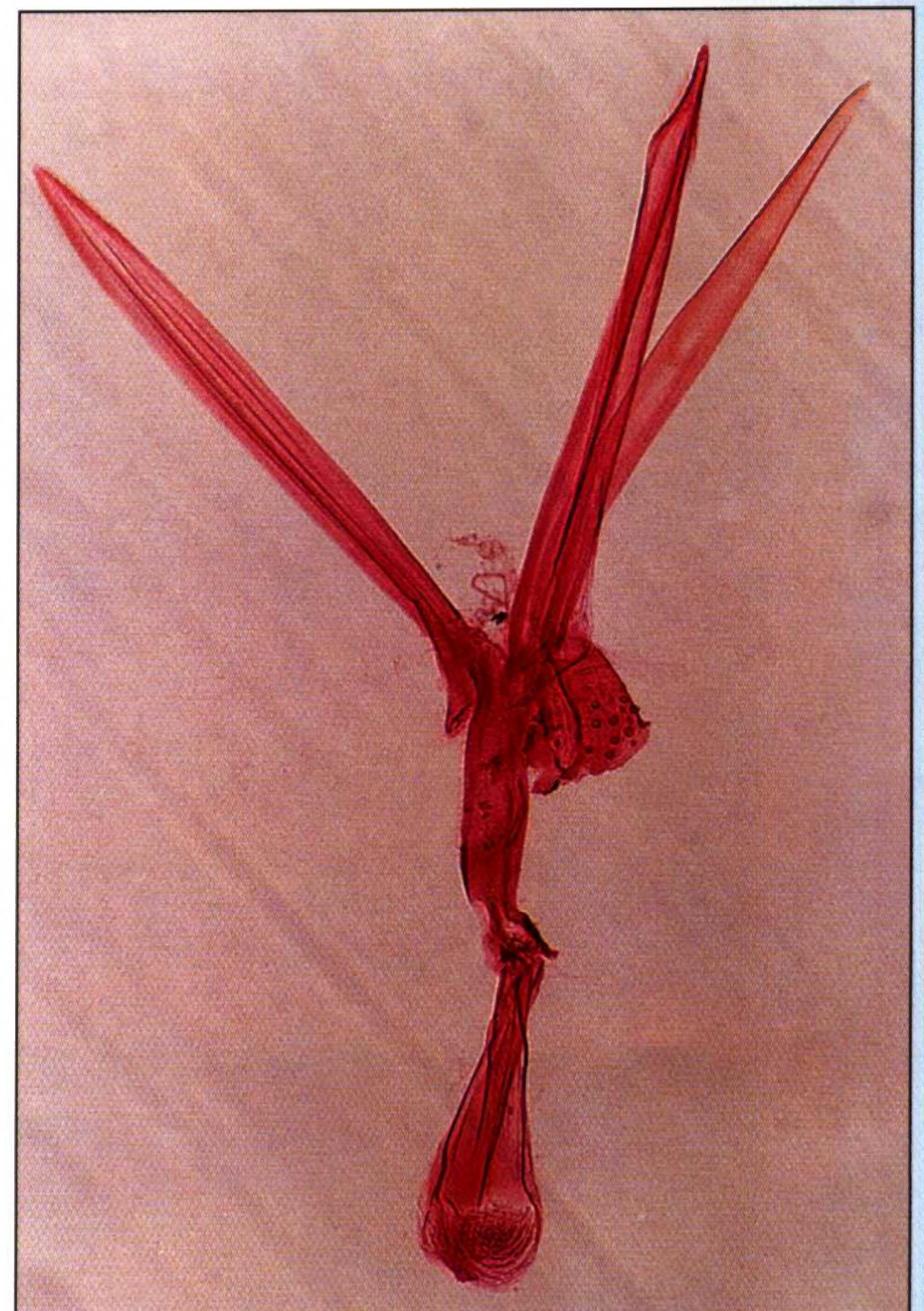
图197

图196 麻蝇
Boettcherisca peregrina

图197 中华白蛉
Phlebotomus chinensis

图198 白蛉咽甲
Pharyngeal armature of *Phlebotomus chinensis*
(卡红染色 Camine stain 10×4)

图198



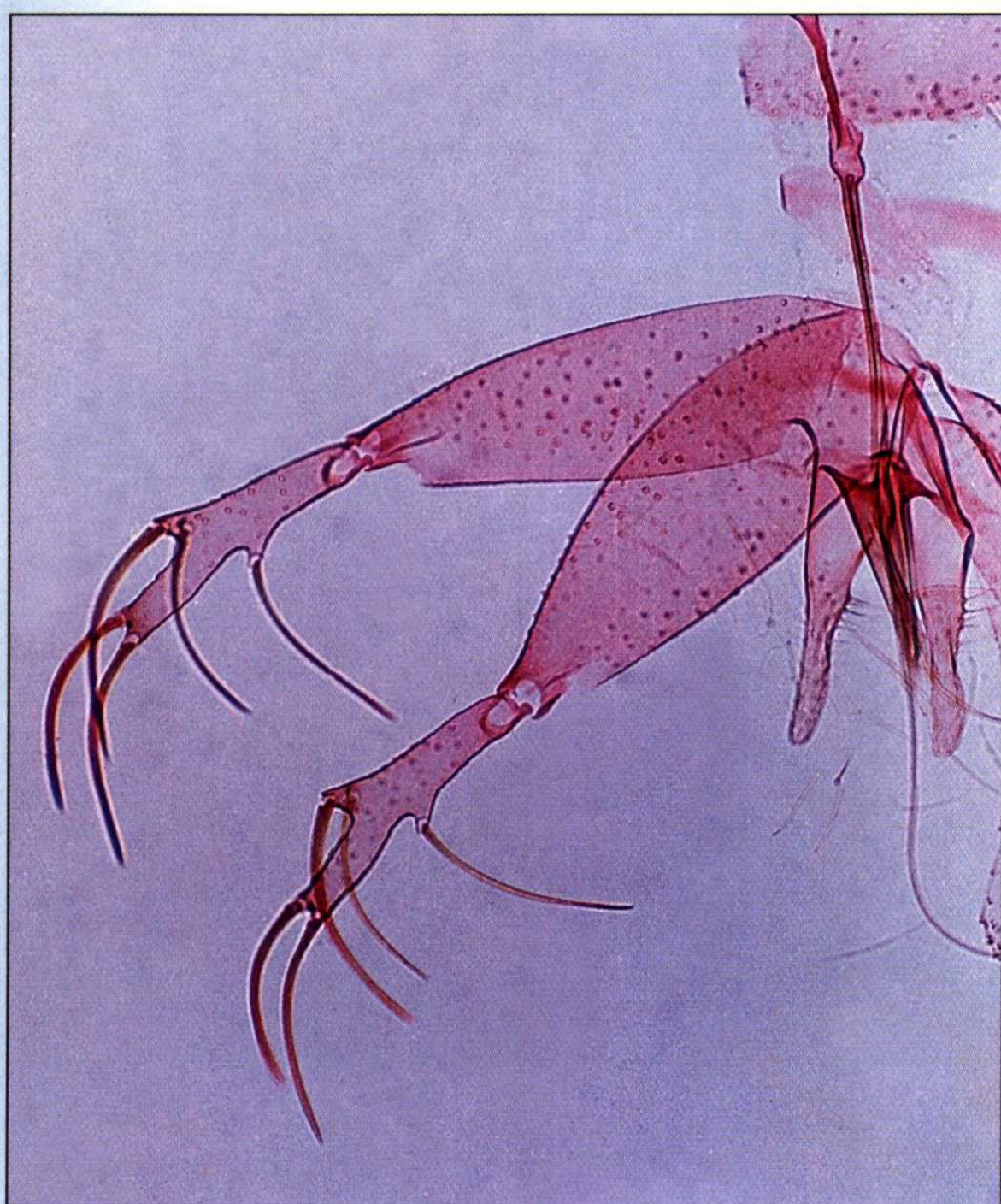


图199

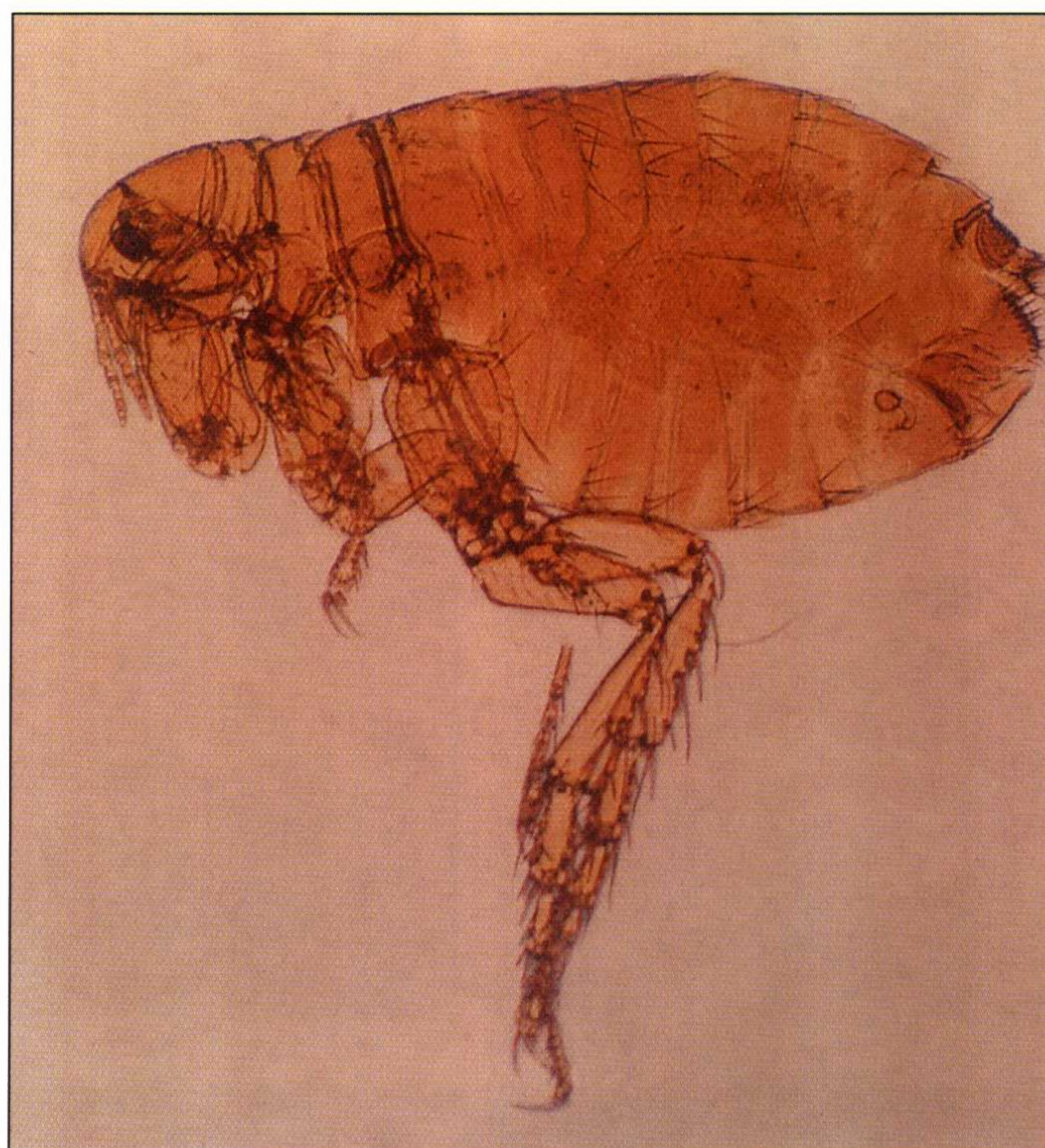


图200

图199 白蛉外生殖器
Spermatheca of *Phlebotomus chinensis*
(卡红染色 Carmine stain 10×4)

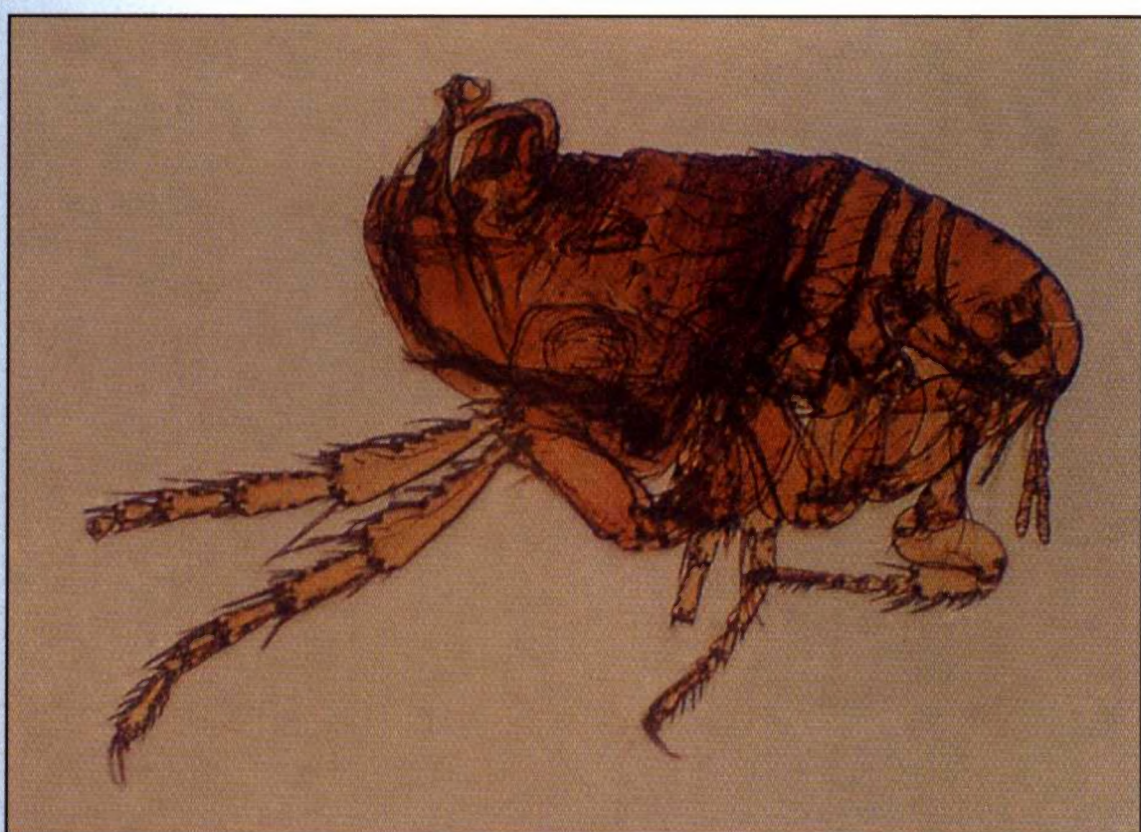


图201

图201 致痒蚤 (雄)
Pulex irritans (male)
(自然色 Natural colour 10×4)

图202 印鼠客蚤 (雌)
Xenopsylla cheopis (female)
(自然色 Natural colour 10×4)

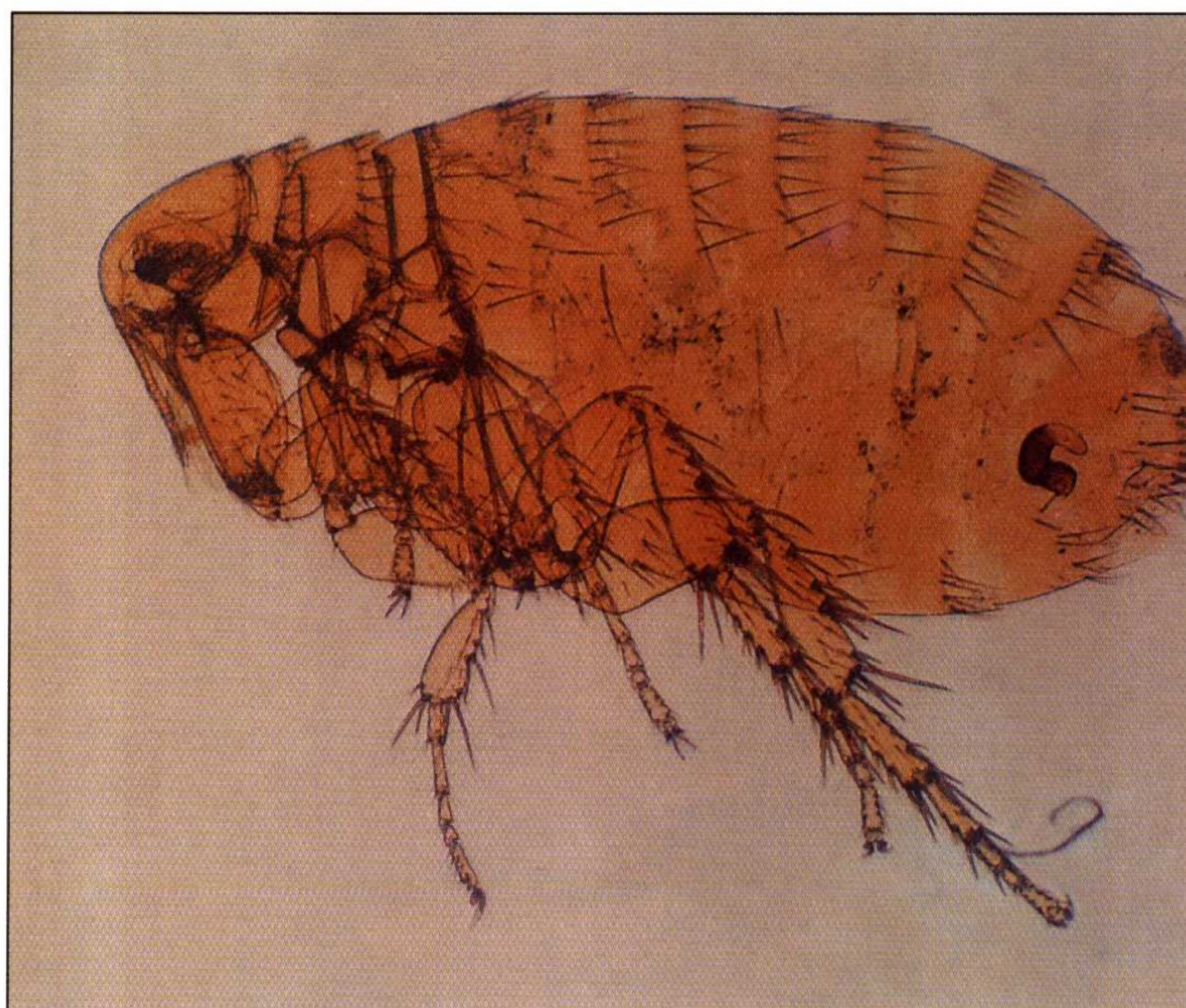


图202

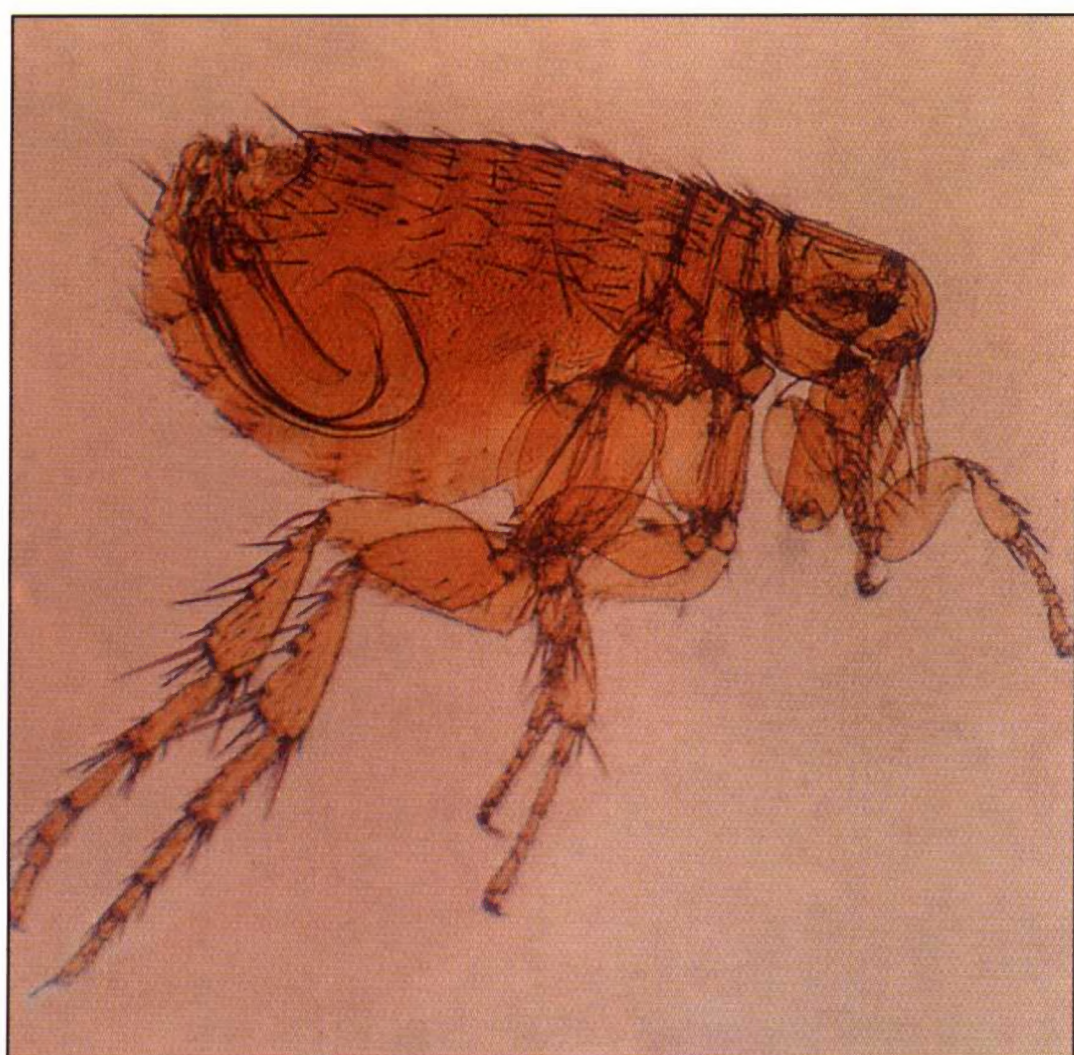


图203



图204

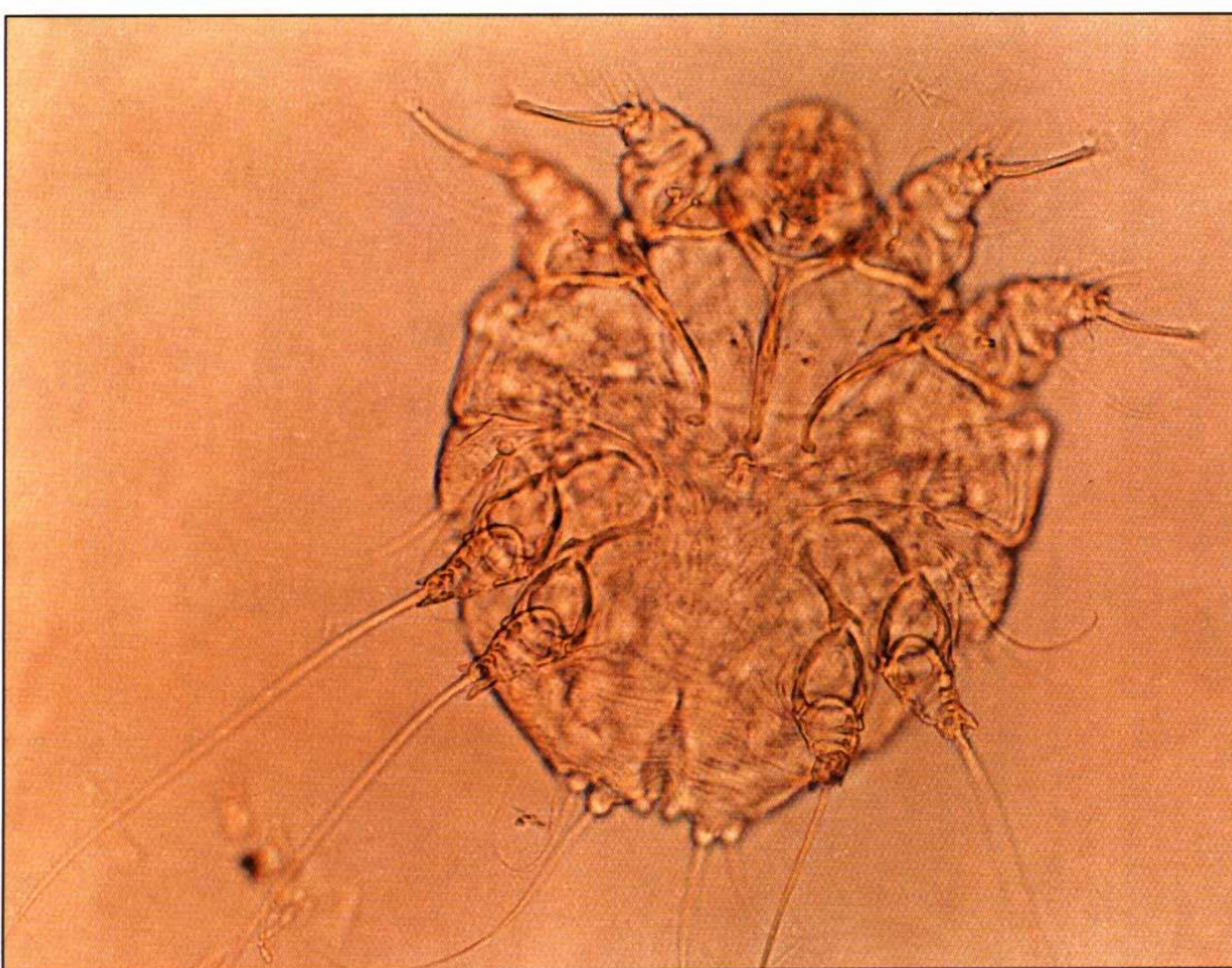


图205

图203 印鼠客蚤 (雄)
Xenopsylla cheopis (male)
(自然色 Natural colour 10×4)

图204 猫蚤
Ctenocephalides felis
(自然色 Natural colour 10×4)

图205 疥螨 (雌)
Sarcoptes scabiei (female)
(10×10)

图206 全沟硬蜱 (雌)
Ixodes persulcatus (female)
A 腹面观 Ventral view
B 背面观 Back view

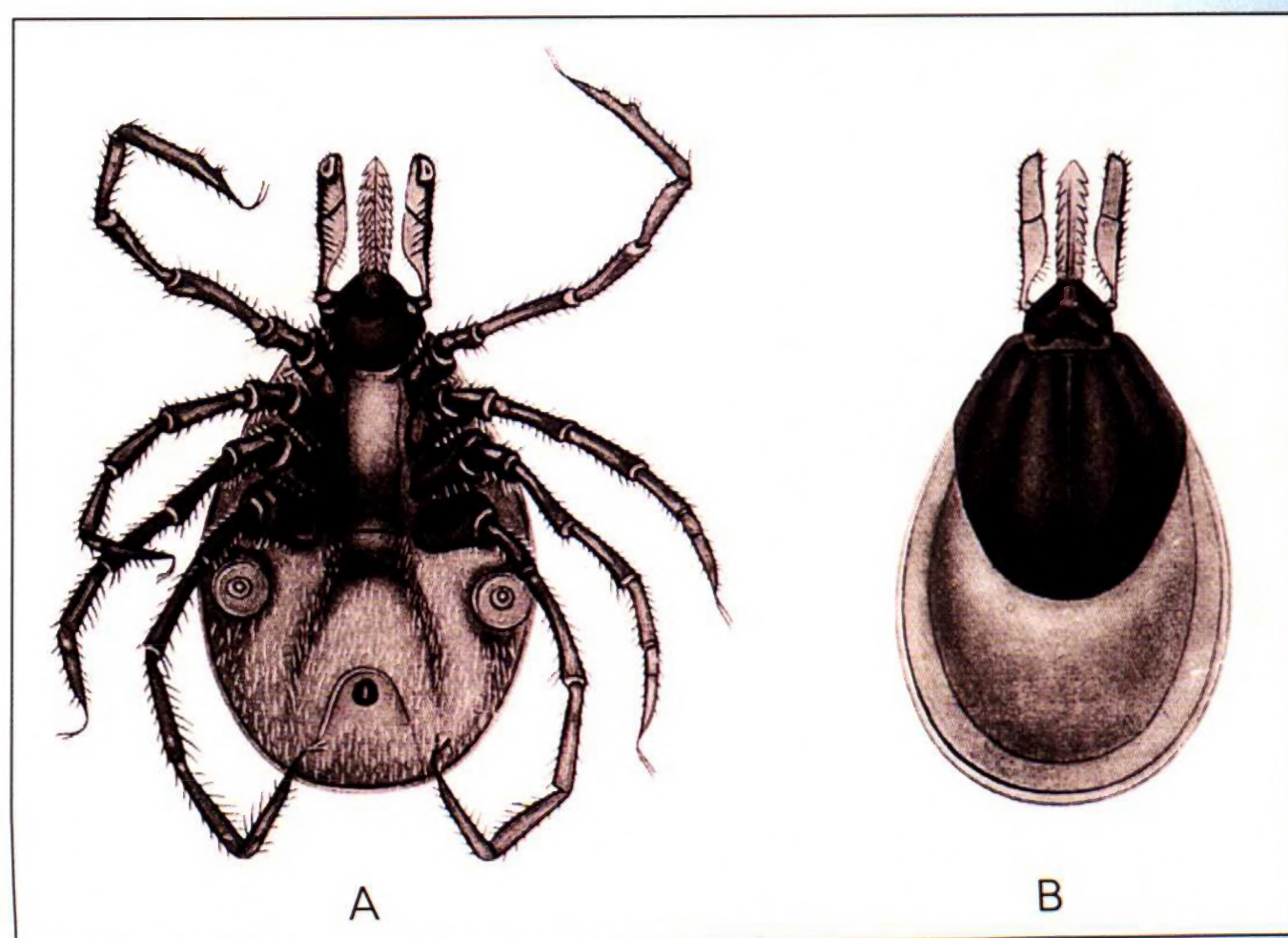


图206



图207

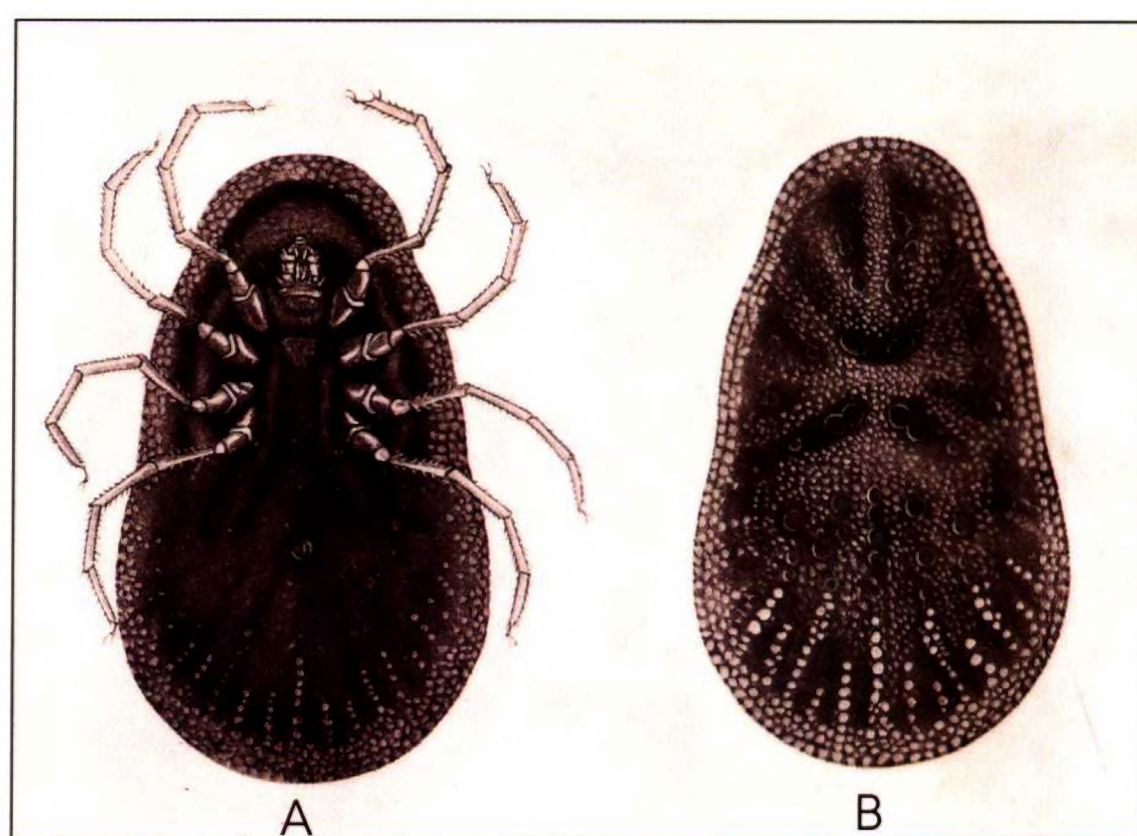


图208

图207 全沟硬蜱 (雄)
Ixodes persulcatus (male)

图208 软蜱
Soft tick
A 腹面观 Ventral view
B 背面观 Back view

图209 恙螨幼虫
Larva of chigger mite
(自然色 Natural colour 10×4)

图210 人体虱
Pediculus humanus corporis
(自然色 Natural colour 10×4)



图209



图210